

Requester's Full Name: _____ Examiner #: _____ Date: _____
Art Unit: _____ Phone Number 30 _____ Serial Number: _____
Mail Box and Bldg Room Location: _____ Results Format Preferred (circle): PAPER DISK E-MAIL

If more than one search is submitted, please prioritize searches in order of need.

Please provide a detailed statement of the search topic, and describe as specifically as possible the subject matter to be searched. Include the elected species or structures, keywords, synonyms, acronyms, and registry numbers, and combine with the concept or utility of the invention. Define any terms that may have a special meaning. Give examples or relevant citations, authors, etc., if known. Please attach a copy of the cover sheet, pertinent claims, and abstract.

Title of Invention: _____

Inventors (please provide full names): _____

Earliest Priority Filing Date: _____

For Sequence Searches Only Please include all pertinent information (parent, child, divisional, or issued patent numbers) along with the appropriate serial number.

STAFF USE ONLY

	Type of Search	Vendors and cost where applicable
Searcher: <u>P. Schubert</u>	NA Sequence (#) <u>2</u>	STN _____
Searcher Phone #: <u>277-2526</u>	AA Sequence (#) <u>1</u>	Dialog _____
Searcher Location: <u>Rensselaer</u>	Structure (#) _____	Questel/Orbit _____
Date Searcher Picked Up: _____	Bibliographic _____	Dr.Link _____
Date Completed: <u>4/15</u>	Litigation _____	Lexis/Nexis _____
Searcher Prep & Review Time: <u>12</u>	Fulltext _____	Sequence Systems <u>Computer</u>

-In version 3.2

:In version 3.2

Qy 121 AACTGTGCCATCTCGAGAACCATATTGGACTCTTCATGAAATGTCAGGTA
 Db 140 AACTGTGCCATCTCGAGAACCATATTGGACTCTTCATGAAATGTCAGGTA
 Qy 181 GCTCCGGTACTTCAGAGAGTACTCTGCATGGAGTCGTAACATGCTT
 Db 200 GCTCCGGTACTTCAGAGAGTACTCTGCATGGAGTCGTAACATGCTT
 Qy 100.0%; Score 327; DB 15; Length 453;
 arity 100.0%; Pred. No. 2.2e-106; Indels 0; Gaps 0;
 conservative 0; Mismatches 0;
 CGGACGGATGGATGGATAACCCGAGGGCACCAACAGCGCGGGCAAGAG 60
 CGGACGGATGGATGGATAACCCGAGGGCACCAACAGCGCGGGCAAGAG 83
 TTGAATGAAAAGCTGAAATGCACTAGCCCTCTGGCTGGATATTGGCTGTAT 120
 TTGAATGAAAAGCTGAAATGCACTAGCCCTCTGGCTGGATATTGGCTGTAT 143
 3TGCCATCTGAGAACACATTAGATCCTGATAGATGTAAGTAACTAACAG 180
 3TGCCTCTGAGAACACATTAGATCCTGATAGATGTAAGTAACTAACAG 203
 CGCCTACTTCAGAAGGTACTGTGCATGGGACTCTGTAACTATGTTTCAC 240
 CGCCTACTTCAGAAGGTACTGTGCATGGGACTCTGTAACTATGTTTCAC 263
 ACTGCTACTCTCGTGGCTCTAAACCGACAGGTGTCCATTGGAAACAAGAG 300
 ACTGCTACTCTCGTGGCTCTAAACCGACAGGTGTCCATTGGAAACAAGAG 323
 AATTCCAAAATGATGGCACTAG 327
 AATTCCAAAATGATGGCACTAG 350
 RESULT 6
 US-10-242-535A-39933
 ; Sequence 39933, Application US/10242535A
 ; Publication No. US20040013663A1
 ; GENERAL INFORMATION:
 ; APPLICANT: ChondroGene Inc.
 ; Liew, C. C.
 ; TITLE OF INVENTION: Compositions and Methods Relating to Osteoarthritis
 ; FILE REFERENCE: 423/2005
 ; CURRENT APPLICATION NUMBER: US/10/242 535A
 ; CURRENT FILING DATE: 2002-09-12
 ; PRIOR APPLICATION NUMBER: US 10/085,783
 ; PRIOR FILING DATE: 2002-02-28
 ; PRIORITY NUMBER: US 60/305,340
 ; PRIORITY FILING DATE: 2001-07-13
 ; PRIOR APPLICATION NUMBER: US 60/275,017
 ; PRIORITY FILING DATE: 2001-03-12
 ; PRIOR APPLICATION NUMBER: US 60/271,955
 ; PRIORITY FILING DATE: 2001-02-28
 ; NUMBER OF SEQ ID NOS: 58994
 ; SOFTWARE: PatentIn version 3.2
 ; SEQ ID NO: 39933
 ; LENGTH: 467
 ; TYPE: DNA
 ; ORGANISM: Human
 US-10-242-535A-39933
 Query Match 100.0%; Score 327; DB 15; Length 467;
 Best Local Similarity 100.0%; Pred. No. 2.2e-106;
 Matches 327; Conservative 0; Mismatches 0; Indels 0;
 1 ATGGCGCGAGCTGGATGGGATCCCGAGGGCACCAACAGCGGGGGAA
 20 ATGGCGCGAGCTGGATGGGATCCCGAGGGCACCAACAGCGGGGGAA
 61 CGCTTGAATGTAATGGAAATGGAATGAGCTGGCTCTGGCTGGATATTGGTG
 80 CGCTTGAATGTAATGGAAATGGAATGAGCTGGCTCTGGCTGGATATTGGTG
 121 AACTGTGCCATCTCGAGAACCATATTGGACTCTTCATGAAATGTCAGGTA
 140 AACTGTGCCATCTCGAGAACCATATTGGACTCTTCATGAAATGTCAGGTA
 181 GCTCCGGTACTTCAGAGAGTACTCTGCATGGAGTCGTAACATGCTT
 200 GCTCCGGTACTTCAGAGAGTACTCTGCATGGAGTCGTAACATGCTT
 241 TTCCACTGTACTCTGGCTGGTCAAACAGCAGGGTGTCCATTGGACACA
 260 TTCCACTGTACTCTGGCTGGTCAAACAGCAGGGTGTCCATTGGACACA
 301 TGGGAATTCAAAAGTAGTGGCACTAG 327
 320 TGGGAATTCAAAAGTAGTGGCACTAG 346
 :In version 3.2

Qy 100.0%; Score 327; DB 12; Length 467;
 arity 100.0%; Pred. No. 2.2e-106; Indels 0; Gaps 0;
 conservative 0; Mismatches 0;
 CGGACGGATGGATGGATAACCCGAGGGCACCAACAGCGCGGGCAAGAG 60
 CGGACGGATGGATGGATAACCCGAGGGCACCAACAGCGCGGGCAAGAG 79
 TTGAATGAAAAGCTGAAATGCACTAGCCCTCTGGCTGGATATTGGCTGTAT 120
 TTGAATGAAAAGCTGAAATGCACTAGCCCTCTGGCTGGATATTGGCTGTAT 139
 n 33

254 Application US/10085783A
 US20040037841A1
 TION: Compositions and Methods Relating to Osteoarthritis
 : 4231/2002
 ATION NUMBER: US 10/085,783A
 DATE: 2002-02-28
 TION NUMBER: US 66/305,340
 DATE: 2001-07-13
 TION NUMBER: US 60/275,017
 DATE: 2001-03-12
 TION NUMBER: US 60/271,955
 DATE: 2001-02-28
 ID NOS: 58994
 ntin version 3.2
 an
 254

larity 100.0%; Score 327; DB 12; Length 471;
 Conservative 100.0%; Pred. No. 2.2e-106; Indels 0; Gaps 0;

CGGGCAGCGATGGATGGATAACCCCGAGGGCACCAACAGGGGGCAAGAG 60
 CGGGCAGCGATGGATGGATAACCCCGAGGGCACCAACAGGGGGCAAGAG 76

TTTGAAAGGAAAGTGGAAATGGAGGAGCCCTGGATTGGATGGTTGAT 120
 TTGGAAGTGGAAAGTGGAAATGGAGGAGCCCTGGATTGGATGGTTGAT 136

TGTGCCATCTGAGGAAACCACATTATGGATCTTGGATAGATGGTAACAG 180
 TGTGCCATCTGAGGAAACCACATTATGGATCTTGGATAGATGGTAACAG 196

TCCGCTACTTCAGAAAGGTGTACTGTGCATGGGAGCTGTAACTGTGTTTCAC 240
 TCCGCTACTTCAGAAAGGTGTACTGTGCATGGGACTCTGTAACTGTGTTTCAC 256

CACTGACTCTCGCTCGCTCAAAACAGAACAGGTTGTCATTGGAAAGAG 300
 CACTGACTCTCGCTCGCTCAAAACAGAACAGGTTGTCATTGGAAAGAG 316

GAATTCAAAAGTATGGGACTAG 327
 GAATTCAAAAGTATGGGACTAG 343

Query Match 100.0%; Score 327; DB 15; Length 471;
 Best Local Similarity 100.0%; Pred. No. 2.2e-106; Indels 0;
 Matches 327; Conservative 0; Mismatches 0; Indels 0;

QY 1 ATGGCGGAGCGATGGATGGATAACCCCGAGGGCACCAACAGGGGGCA
 Db 17 ATGGGGCGAGCGATGGATGGATAACCCCGAGGGCACCAACAGGGGGCA

QY 61 CGCTTTGAGTGGAAAAGTGGAAATGGAGTAGCCCTGGGATATTGTC
 Db 77 CGCTTTGAGTGGAAAAGTGGAAATGGAGTAGCCCTGGGATATTGTC

QY 121 AACPTGCCCCATCTGAGGAAACCACATTATGGATCTTGGCATAGATGTGAGGT
 Db 137 AACTTGCCATCTGAGGAAACCACATTATGGATCTTGGCATAGATGTGAGGT

QY 181 GCGTCGGTACTTCAGAAGAGTGTACTGTGCATGGGAGTGTCTAACCATGCT
 Db 197 GCGTCGGTACTTCAGAAGAGTGTACTGTGCATGGGAGTGTCTAACCATGCT

QY 241 TTCCACTGCATCTCGCTGGCTCAAACACAGACAGGCTGTGTCATGGACAAAC
 Db 257 TTCCACTGCATCTCGCTGGCTCAAACACAGACAGGCTGTGTCATGGACAAAC

QY 301 TGCGAAATTCCAAAGTATGGCACTAG 327
 Db 317 TGCGAAATTCCAAAGTATGGCACTAG 343

RESULT 9

US-10-085-783A-56068
 ; Sequence 56168, Application US/10085783A
 ; Publication No. US20040037841A1
 ; GENERAL INFORMATION:
 ; APPLICANT: ChondroGene Inc.
 ; TITLE OF INVENTION: Compositions and Methods Relating to Osteoart
 ; FILE REFERENCE: 4231/2002
 ; CURRENT APPLICATION NUMBER: US/10/085,783A
 ; CURRENT FILING DATE: 2002-02-28
 ; PRIOR APPLICATION NUMBER: US 60/395,340
 ; PRIOR FILING DATE: 2001-07-13
 ; PRIOR APPLICATION NUMBER: US 60/275,017
 ; PRIOR FILING DATE: 2001-03-12
 ; PRIOR APPLICATION NUMBER: US 60/271,955
 ; PRIOR FILING DATE: 2001-02-28
 ; NUMBER OF SEQ ID NOS: 58994
 ; SOFTWARE: PatentIn version 3.2
 ; SEQ ID NO: 56068
 ; LENGTH: 472
 ; TYPE: DNA
 ; ORGANISM: Human
 ; FEATURE:
 ; NAME/KEY: misc feature
 ; LOCATION: (437)-(437)
 ; OTHER INFORMATION: n is a, c, g, or t
 ; FEATURE:
 ; NAME/KEY: misc feature
 ; LOCATION: (435)-(455)
 ; OTHER INFORMATION: n is a, c, g, or t
 ; US-10-085-783A-56068

Query Match 100.0%; Score 327; DB 12; Length 472;
 Best Local Similarity 100.0%; Pred. No. 2.2e-106; Indels 0;
 Matches 327; Conservative 0; Mismatches 0; Indels 0;

254 Application US/10242535A
 US2004001663A1
 TION: Compositions and Methods Relating to Osteoarthritis
 : 4231/2005
 ATION NUMBER: US/10/242,535A
 DATE: 2002-09-12
 TION NUMBER: US 10/085,783
 DATE: 2002-02-28
 TION NUMBER: US 66/305,340
 DATE: 2001-07-13
 TION NUMBER: US 60/275,017
 DATE: 2001-03-12
 TION NUMBER: US 60/271,955
 DATE: 2001-02-28

07:44:22 2004

us-09-541-462b-1.apr14.rnpb

Application US/10242535A
 US20030013663A1
 TION:
 ndroGene Inc.
 ew, C.I.
 TION: Compositions and Methods Relating to Osteoarthritis
 : 4231/2005
 ATION NUMBER: US/10/242,535A
 ION NUMBER: US 10/085,783
 ATE: 2002-02-28
 ION NUMBER: US 60/305,340
 ATE: 2001-07-13
 ION NUMBER: US 60/275,017
 ATE: 2001-03-12
 ION NUMBER: US 60/271,955
 ATE: 2001-02-28
 ID NOS: 5894
 ntin version 3.2
 an

arity 100.0%; Score 327; DB 15; Length 523;
 Conservative 0; Pred. No. 2.3e-106;
 Mismatches 0; Indels 0; Gaps 0;
 3CGGCAGCGATGGATGTTGATAACCCGAGGGCAAAAG 60
 3CGGCAGCGATGGATGTTGATAACCCGAGGGCAAAAG 78
 TTGAGGTGAAAAGTGGATGCACTGGGATATTGGTGTAT 120
 TTGAGGTGAAAAGTGGATGCACTGGGATATTGGTGTAT 138
 GTGCCATCTGCAGAACACATTGGATCTTGATAGAATGTCAG 180
 GTGCCATCTGCAGAACACATTGGATCTTGATAGAATGTCAG 198
 TCCGCTACTTCAGAAGAGTGTGCTGATGGGAGTGTGACCA 240
 TCCGCTACTTCAGAAGAGTGTGCTGATGGGAGTGTGACCA 258
 ATGCTCATCTCCTGGCTCAAACACGAGACAGTGTGCTGATGG 300
 ATGCTCATCTCCTGGCTCAAACACGAGACAGTGTGCTGATGG 318
 AAATTCCAAAAGTATGGCACTAG 327
 AAATTCCAAAAGTATGGCACTAG 345

¹ Application US/09918995
 US20030073623A1
 TION:
 Q, Inc.
 TION: NOVEL NUCLEIC ACID SEQUENCES OBTAINED
 20411-756
 TION NUMBER: US/09/918,995
 DATE: 2001-07-30
 ID NOS: 1999-01-20
 EQ for Windows Version 3.0
 sapiens

; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (11..(476
; OTHER INFORMATION: n = A,T,C or G
; US-09-518-995-17191
Query Match 99.4%; Score 325; DB 10; Length 476;
Best Local Similarity 100.0%; Pred. No. 1.2e-05;
Matches 325; Conservative 0; Mismatches 0; Indels 0;
QY 3 GGGGGCAAGGATGGATGTTGATAACCCGAGGGCAAC
Db 74 GGGGGCAAGGATGGATGTTGATAACCCGAGGGCAAC
QY 63 CTTTGAATGAAAAAGTGGAAATGCACTGGGATATTGGTGT
Db 134 CTTTGAATGAAAAAGTGGAAATGCACTGGGATATTGGTGT
QY 123 CTGTGCACATCTGGAGGACCAATTGGATCTTGCAAGCTAAC
Db 194 CTGTGCACATCTGGAGGACCAATTGGATCTTGCAAGCTAAC
QY 183 GTCGGTACTTCAGAAGAGTGTACTGTGGCATGGGAGTGTCTGTAACATGCTTT
Db 254 GTCGGTACTTCAGAAGAGTGTACTGTGCATGGGGAGTGTCTGTAACATGCTTT
QY 243 CCACGTGATCTCTCGTGGCTAAAACAGACAGGGTGTCCATTGGACAAGAGA
Db 314 CCACGTGATCTCTCGTGGCTCAAACAGACAGGGTGTCCATTGGACAAGAGA
QY 303 GAAATTCCAAAAGTATGGCACTAG 327
Db 374 GAAATTCCAAAAGTATGGCACTAG 398
RESULT 14
US-10-198-846-11311/c
; Sequence 11311, Application US/10198846
; Publication No. US2003009974A1
; GENERAL INFORMATION:
; APPLICANT: Lillie, James
; APPLICANT: Xu, Yongyao
; APPLICANT: Wang, Youhen
; APPLICANT: Steimann, Kathleen
; TITLE OF INVENTION: NOVEL GENES, COMPOSITIONS, KITS, AND METHODS
; TITLE OF INVENTION: FOR IDENTIFICATION, ASSESSMENT, PREVENTION, AND THERAPY OF BREAST CANCER
; CURRENT APPLICATION NUMBER: MRI-049
; CURRENT FILING DATE: 2002-07-18
; PRIOR APPLICATION NUMBER: 60/306,220
; PRIOR FILING DATE: 2001-07-18
; NUMBER OF SEQ ID NOS: 14084
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO: 11311
; LENGTH: 4543
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-198-846-11311
Query Match 98.4%; Score 321.8; DB 14; Length 4543;
Best Local Similarity 99.4%; Pred. No. 4.6e-104;
Matches 323; Conservative 0; Mismatches 2; Indels 0; C
QY 3 GGGGGCAAGGATGGATGTTGATAACCCGAGGGACCAACGGGGGGGGCAAGAGA
Db 1089 GGGGGCAAGGATGGATGTTGATAACCCGAGGGACCAACGGGGGGGGCAAGAGA
QY 63 CTTTGAATGAAAAAGTGGAAATGCACTGGGATATTGGTGT
Db 1029 CTTTGAATGAAAAAGTGGAAATGCACTGGGATATTGGTGT
QY 123 CTGTGCACATCTGGAGGACCAATTGGATCTTGCAAGCTAAC

```
|||||||ccatctggAACCAATTGGATTTGATAGAATGCAAGCTAACCGGC 910
:CATTCGAAGTGTAACTGGCATGGACTCTGAACATGCTTCACTT 242
:CATTCGAAGTGTACTGGATCTGGATGGGACTCTGAACATGCTTCACTT 850
:GCATCTCTCGTGGCTCAAACAGCACAGTGTCATTGGACAAAGAGGTG 302
:GCATCTCTCGTGGCTCAAACAGCACAGTGTCATTGGACAAAGAGGTG 790
:TCAAAAGTAGGGCACTAG 327
:TCAAAAGTAGGGCACTAG 765
```

:1
Application US/10085783A
US2004037841A1

ON:
IroGene Inc.

C.
ON: Compositions and Methods Relating to Osteoarthritis
4231/2002
ION NUMBER: US/10/085-783A
DATE: 2002-02-28
IN NUMBER: US 60/305,340
E: 2001-07-13
IN NUMBER: US 60/275,017
E: 2001-03-12
IN NUMBER: US 60/271,955
E: 2001-02-28
) NOS: 58994
In version 3.2

:1
Score 316; DB 12; Length 430;
96.6%; Score 316; DB 12; Length 430;
99.7%; Pred. No. 1.8e-102;
Conservative 0; Mismatches 0; Indels 1; Gaps 1;
CGCAGCGATGGATGTCGATACCCCGACGGCCANAGCGCGCCGCGCAGAAG 60
CGCAGCGATGGATGTCGATACCCCGACGGCCACCAAGCGCGCCGCGCAGAAG 80
TGAAGTGGAAAGTGGAAAGTGGAAATGGGTGAGTGGCCTCTGGCTGGATAATTGGGTGAT 120
TGAAGTGGAAAGTGGAAAGTGGGTGAGTGGCCTCTGGCTGGATAATTGGGTGAT 140
TGCCATCTGCAGAACACATTATGGATCTTGCATAAGTAATGGTGTGAT 179
TGCCATCTGCAGAACACATTATGGATCTTGCATAAGTAATGGTGTGAT 200
CCGCTACTTCAGAACAGTGTACTGGTCATGGGAGTCATAACCATGCTTCA 239
CCGCTACTTCAGAACAGTGTACTGGTCATGGGAGTCATAACCATGCTTCA 260
ACTGCATCTCGCTGGCTCAAACACGACAGGTGTGTCATTGGAAACAGAGA 299
ACTGCATCTCGCTGGCTCAAACACGACAGGTGTGTCATTGGAAACAGAGA 320
AATTCCAAAAGTATGGCACTAG 327
AATTCCAAAAGTATGGCACTAG 348

April 14, 2004, 08:53:29
S CIC

07:44:22 2004

us-09-541-462b-1.apr14.rni

98 GGGCCTGGATATTGGGATAACTGGCATCTGGAGAACCAATTGGP
 80 Application US/09621976
 063 TION:
 as Milne Edwards, J.B.
 bert, S.
 ordano, J.J.
 TION: ESTs and Encoded Human Proteins.
 : GENSET 054PR2
 ATION NUMBER: US/09/621,976
 DATE: 2000-07-21
 ID NOS: 19335
 nt.pfm

○ sapiens

2_feature
 TION: n=a, g, c or t
 90

larity 52.0%; Score 170; DB 4; Length 463;
 conservative 0; Pred. No. 2.9e-51;
 Mismatches 0; Indels 0; Gaps 0;

TAGATGTCAAGCTAACAGGGTCCGCTACTCGAAGAGTGTACTGTGCATGG 217
 TAGATGTCAAGCTAACAGGGTCCGCTACTCGAAGAGTGTACTGTGCATGG 160

TCGTAAACCATGCTTTACTTCCACTGCTACTCGTCAAAACAGAAGG 277
 TCTGTAACCATGCTTTACTTCCACTGCTACTCGTCAAAACAGCAGG 220

TCGATTGGACAACAGAGTGGAATTCAAAAGTAGTGGCACTAG 3.27
 TCCTATTGGACAACAGAGTGGAATTCAAAAGTAGTGGCACTAG 270

2 application US/09313294A
 12
 ION: Igudi, Raghunath V.
 , Laura Y.
 arman, Bradley K.
 TION: POLYNUCLEOTIDES AND POLYPEPTIDES DERIVED FROM CORN EAR
 PL-0017 US
 ATION NUMBER: US/09/313,294A
 DATE: 1999-05-14
 ID NOS: 7600
 , Program
 may
 ; feature
 TION: Incyte ID No. 6476212 700549333H1
 larity 27.5%; Score 90; DB 4; Length 301;
 conservative 0; Mismatches 40; Indels 0; Gaps 0;

ACAGGGCGGGAAAGAGCGCTTGTGAAGTGAAGTGAAGTGAAGTGAAGTGGCTCT 97
 CCTCCCGAAAGCCAAACAGCGCTTCGAGATCAAAGAACTGGCCCTCGGCCTCT 205

Qy 98 GGGCCTGGATATTGGGATAACTGGCATCTGGAGAACCAATTGGP
 Db 206 GGCGATGGATATCGCTCTGCAACTGGCTATCTGGCACCATCAGGP
 Qy 158 GCATAGATGTCAAGTAACCGGGTCCGCTAC 191
 Db 266 GCATCGAGTGCAGGCCAACAGCCAGGCCAGGCAC 299

RESULT 4
 US-08-608-241-1
 ; Sequence 1, Application US/09608241
 ; Patent No. 5747328
 ; GENERAL INFORMATION:
 ; APPLICANT: Donohue, Timothy J
 ; APPLICANT: Barber, Robert D
 ; APPLICANT: Wittchuhn, Vernon
 ; TITLE OF INVENTION: MICROBIAL SYSTEM FOR FORMALDEHYDE
 ; TITLE OF INVENTION: SENSING AND REMEDIATION
 ; NUMBER OF SEQUENCES: 7
 ; CORRESPONDENCE ADDRESS:
 ; ADDRESSEE: Quarles & Brady
 ; STREET: 1 South Pinckney Street
 ; CITY: Madison
 ; STATE: WI
 ; COUNTRY: US
 ; ZIP: 53703
 ; COMPUTER READABLE FORM:
 ; MEDIUM TYPE: Floppy disk
 ; COMPUTER: IBM PC compatible
 ; OPERATING SYSTEM: PC-DOS/MS-DOS
 ; SOFTWARE: PatentIn Release #1.0, Version #1.30
 ; CURRENT APPLICATION DATA:
 ; APPLICATION NUMBER: US/08/608,241
 ; FILING DATE:
 ; CLASSIFICATION: 435
 ; ATTORNEY/AGENT INFORMATION:
 ; NAME: Seay, Nicholas J
 ; REGISTRATION NUMBER: 27,386
 ; REFERENCE/DOCKET NUMBER: 960296.93511
 ; TELECOMMUNICATION INFORMATION:
 ; TELEPHONE: 608-251-5000
 ; TELEFAX: 608-251-9166
 ; INFORMATION FOR SEQ ID NO: 1:
 ; SEQUENCE CHARACTERISTICS:
 ; LENGTH: 2408 base pairs
 ; TYPE: nucleic acid
 ; STRANDEDNESS: double
 ; TOPOLOGY: linear
 ; MOLECULE TYPE: DNA (genomic)
 ; ORIGINAL SOURCE: Rhodobacter sphaeroides
 ; STRAIN: 2.4.1
 ; FEATURE:
 ; NAME/KEY: -35_signal
 ; LOCATION: 262..267
 ; FEATURE:
 ; NAME/KEY: -10_signal
 ; LOCATION: 285..290
 ; FEATURE:
 ; NAME/KEY: CDS
 ; LOCATION: 346..1476
 ; OTHER INFORMATION: "AdhI Class III Alcohol
 ; Dehydrogenase Gene"
 US-08-608-241-1
 Query Match 9.5%; Score 31; DB 1; Length 2408;
 Best Local Similarity 53.8%; Pred. No. 0.94;
 Matches 64; Conservative 0; Mismatches 55; Indels 0;
 OTHER INFORMATION:
 US-08-608-241-1
 27 CCCGACGGGACCAACAGCGAGCGGCCAACAGAAAGGCTTGAAGTGAAGTGG
 Qy

07:44:22 2004

us-09-541-462b-1.apr14.rni

GTGCGCCCTGGCTGAGGCCGAAAGCGCTGGATACGTGGTCAATTGAGTCATGGAGGTCAATTCT 410
|||CCCTGGCTGGATATTGGTGATACTGTGCCATTCTGGGAACACA 145
|||GCCCAAGGGGGCAGGTATGGTCAAGGCAAGGATCAAGGCCACGGATCTGCCACA 469

D _b	351	CACCGTGCGCCGTCGGCTGGCATATGGGTGATACTGTCCATCTGAGAACCC
Q _y	87	AGTAGGCCCTCTGGCCCTGGGATATTTGGGTGATACTGTCCATCTGAGAACCC
D _b	411	CGAAGGGCCCAAGGGGGCTGAGTCATGTCGAGATCAAGCCACGGGCACTTGCC

cation US/08922182
0
TION:
nohue, Timothy J
erber, Robert D
tchunn, Vernon
ITION: MICROND SY
ITION: SENSING AND
ENCES: 7
ADDRESS: Quarles & Brady
on South Pinckney Street

RESULT 6
US-08-919-953-1
; Sequence 1 , Application US/08919953
; Patent No. 5837481
GENERAL INFORMATION:
; APPLICANT: Donohue, Timothy J
; APPLICANT: Barber, Robert D
; APPLICANT: Wittluhn, Vernon
; TITLE OF INVENTION: MICROBIAL SYSTEM FOR FORMALDEHYDE
; TITLE OF INVENTION: SENSING AND REMEDIATION
; NUMBER OF SEQUENCES: 7
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Quarles & Brady
; STREET: 1 South Pinckney Street
; CITY: Madison

FILE FORM: Floppy disk
SYSTEM: PC-DOS MS-DOS
PatentIn Release #1.0, Version #1.30
RELEASE DATE: 08/08/92
NUMBER: TIC/08/0822 182

2 ZIP: 53703
3 COMPUTER READABLE FORM:
4 MEDIUM TYPE: Floppy disk
5 COMPUTER: IBM PC compatible
6 OPERATING SYSTEM: PC-DOS/MS-DOS
7 SOFTWARE: PatentIn Release #1.0, version #1.30
8 CURRENT APPLICATION DATA:
9 

ON: 435
LOCATION DATA:
NUMBER: 08/608, 241

CLASIFICATION : 435
PRIORITY DATE : 08/06/2011
PRIOR APPLICATION NUMBER : 61/341,241

INFORMATION:
Nicholas J.
NUMBER: 37 386

ATTORNEY/AGENT INFORMATION:
NAME: Seay, Nicholas J.

OCKET NUMBER: 960296.93511
ATION INFORMATION:
608-251-5000
8 251-9166
SEQ ID NO: 1:
CHARACTERISTICS:
8 base pairs
ic acid

REFERENCE DOCKET NUMBER: 960296-933511
TELECOMMUNICATION INFORMATION:
TELEPHONE: 608-251-5000
TELEFAX: 608-251-9166
INFORMATION FOR SEQ ID NO: 1:
SEQUENCE CHARACTERISTICS:
LENGTH: 2408 base pairs
TYPE: nucleic acid

linear DNA (genomic)
E:
Chlorobacter sphaerooides

TOPOLOGY: linear
MOLECULE TYPE: DNA (genomic)
ORIGINAL SOURCE:
ORGANISM: *Rhodobacter sphaeroides*

35_signal
62.:267

FEATURE : NAME/KEY : -35_signal
LOCATION : 262..267

DS 46..1476 RATION: /product= "Adhl Class III Alcohol
10..Signal 85..290

NAME/KEY : -10_Signal
LOCATION : 285 . 290
FEATURE :
NAME/KEY : CDS
LOCATION : 346 . 1476
OTHER INFORMATION : /product= "Adhi Class III Alcohol

9.5%;	Score 31;	DB 2;	Length 2408;
Identity 53.8%;	Pred. No. 0.94;		
Inconservative 0;	Mismatches 55;	Indels 0;	Gaps 0;
GCGGGACCAACAGGGCGGGCCAAAGAACGGCTTGAAGTAAAAAGTCGGAAATGC 86			

卷之三

07:44:22 2004

us-09-541-462b-1.apr14.rni

CGTGGCCGGCTGCGAGGCCGAAGCGCTGAGATCATGGAGGTCAATCT 410
GCCCTCTGGACCTGGATAATTGGTGTGATAACTGTGCATCGCAGGAAACCA 145
GCCCAAGCCGCGAGTCATGGCAGATCGAGCCATCTGCCACA 469

RR
US
lication US/09192982A
244
TION: chue, Timothy
der, Robert
thuhn, Vernon
ITION: Microbial System for Formaldehyde Sensing and
Remediation
; 960296_95505
ATION NUMBER: US/09/192, 983A
DATE: 1998-11-16
ATION NUMBER: 08/919, 953
DATE: 1997-08-29
ATION NUMBER: 08/608, 241
DATE: 1996-02-28
ID NOS: 7
it in Ver. 2.1

lobacter sphaerooides

signal

) .. (267)

signal

) .. (290)

) .. (1476)

arity

conservative

0 ;

Mismatches

55 ;

Indels

0 ;

Gaps

0 ;

Score 31 ;

DB 3 ;

Length 2408 ;

TYPE: DNA

ORGANISM: Homo Sapiens

FEATURE: CDS

NAME/KEY: CDS

LOCATION: 187..438

NAME/KEY: polyA_signal

LOCATION: 612..617

NAME/KEY: polyA_site

LOCATION: 632..648

US-09-599-360B-27

RESULT 9

US-09-599-360B-27

Sequence 27, Application US/09599360B

; GENERAL INFORMATION:

; APPLICANT: Bouqueleret, L.

; INVENTOR: Jobert, S.

; TITLE OF INVENTION: Complementary DNA's Encoding Proteins with Sig

; FILE REFERENCE: GENSET_050CP3

; CURRENT APPLICATION NUMBER: US/09/599, 360B

; CURRENT FILING DATE: 2000-06-21

; PRIOR APPLICATION NUMBER: 60/113, 686

; PRIOR FILING DATE: 1998-12-22

; PRIOR APPLICATION NUMBER: 60/141, 032

; PRIOR FILING DATE: 1999-06-25

; PRIOR APPLICATION NUMBER: 09/469, 099

; PRIOR FILING DATE: 1999-12-21

; NUMBER OF SEQ ID NOS: 123

; SOFTWARE: Patent .pm

; LENGTH: 648

; SEQ ID NO: 27

; TYPE: DNA

; ORGANISM: Homo Sapiens

; FEATURE: CDS

; NAME/KEY: CDS

; LOCATION: 187..438

; NAME/KEY: polyA_signal

; LOCATION: 612..617

; NAME/KEY: polyA_site

; LOCATION: 632..648

US-09-599-360B-27

RESULT 10

US-09-621-976-1945

; Sequence 1945, Application US/09621976

; Patent No. 6639053

; GENERAL INFORMATION:

07:44:22 2004

us-09-541-462b-1.apr14.rni

Milne Edwards, J.B.
ert, S.
dato, J.Y.
ON: ESTs and Encoded Human Proteins.

GENSET 054PR2

ITION NUMBER: US/09/621,976

DATE: 2000-07-21

NOS: 19335

.pm

Db 289 ATGGCATTAAACGATGGCTGCCCTGACTGCAGGTGCCCG 330

RESULT 12
US-09-333-381-1814/C
Sequence 1814, Application US/09833381
Patent No. 6672186
GENERAL INFORMATION
APPLICANT: Robison, Keith E.
TITLE OF INVENTION: No. 66721861 Nucleic Acid and Protein Homologs
FILE REFERENCE: 5800-119
CURRENT APPLICATION NUMBER: US/09/833,381
CURRENT FILING DATE: 2001-04-11
PRIOR APPLICATION NUMBER: 09/516,448
PRIOR FILING DATE: 2000-02-29
NUMBER OF SEQ ID NOS: 2050
SOFTWARE: FastSEQ for Windows Version 3.0
SEQ ID NO: 1814
LENGTH: 738
TYPE: DNA
ORGANISM: Homo sapiens
FEATURE:
NAME/KEY: misc_feature
LOCATION: (1)..(738)
OTHER INFORMATION: n = A,T,C or G
US-09-333-381-1814

Query Match 9.2%; Score 30; DB 4; Length 738;
Best Local Similarity 57.4%; Pred. No. 1.1;
Matches 54; Mismatches 40; Indels 0; G
Qy 79 TGGAAATGAGTAGGCCCTGCCCCTGGATATGGCTGATACTGTGCAATCTG
Db 539 TGGAAACGGGGCCACTGGCTCGGGCAACGATGAGAACATGAACTGGCATCTG
Qy 139 AACACATTTGATCTTGCATAGAATGTCAG
Db 479 ATGGCATTAAACGATGGCTGCAGTCAG 172
Qy 309 AACACATTTGATCTTGCATAGAATGTCAG 446

RESULT 13
US-09-489-039A-6887/C
Sequence 6887, Application US/09489039A
Patent No. 6610836
GENERAL INFORMATION
APPLICANT: Gary Breton et. al.
TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING
TO PNEUMONIA FOR DIAGNOSTICS AND THERAPEUTICS
FILE REFERENCE: 27009_2004001
CURRENT APPLICATION NUMBER: US/09/489,039A
CURRENT FILING DATE: 2000-01-27
PRIOR APPLICATION NUMBER: US 60/117,747
PRIOR FILING DATE: 1999-01-29
NUMBER OF SEQ ID NOS: 14342
SEQ ID NO: 6887
LENGTH: 708
TYPE: DNA
ORGANISM: Klebsiella pneumoniae
US-09-489-039A-6887

Query Match 8.9%; Score 29.2; DB 4; Length 708;
Best Local Similarity 56.1%; Pred. No. 2.1;
Matches 55; Mismatches 43; Indels 0; G
Qy 22 GATACCCCAGGGCACCAAAGGGCGGGCAAGAGGCTTGAAAGTGAAGAAC
Db 252 GAAGTCGCATAGGGCAAGCAGGGCAAAAGCCCTCTGCTTTAANGCF
Qy 82 ATGGATGAGTACGCCCTGGCTGGATATGGCTGGATATGGTTGA 119
Db 192 ATAAAACGGACCCCTTGGCACGGGATATCTGATCA 155

Query Match 9.2%; Score 30; DB 4; Length 671;
Best Local Similarity 55.9%; Pred. No. 1;
Matches 0; Mismatches 45; Indels 0; Gaps 0;
TGCAGTAGCCCTCTGGCCCTGGATATGGCTGGATTAACCTGGCTTCAGG 138
CGCGTGTGCACTGGCTGGGCAAGATGAGAACATGTCAG 288
CATTATGGATCTTGGATAGAATGTCAG 180

07:44 22 2004

us-09-541-462b-1.apr14.rni

Copyright (c) 1993 - 2004 Compugen Ltd.

n search, using sw model

il 14, 2004, 07:45:49 ; Search time 23 Seconds
(without alignments)

-09-541-462B-2 ;

4AAMDVTIPSGTNSGAGKK.....KTRQVCPDNREWEFQYGH 108

)S0N62
)Op 10.0 , Gapext 0.5

)414 seqs, 51625971 residues

:s satisfying chosen parameters:

389414

Ith: 0
Ith: 2000000000

minimum Match 0%
maximum Match 100%
string first 45 summaries

;issued_Parents_MA:/*
/cgn2_6/_ptodata/2/iaa/5A_COMB.pep:/*
/cgn2_6/_ptodata/2/iaa/5B_COMB.pep:/*
/cgn2_6/_ptodata/2/iaa/6A_COMB.pep:/*
/cgn2_6/_ptodata/2/iaa/PCMUS_COMB.pep:/*
/cgn2_6/_ptodata/2/iaa/backfile1.pep:/*

the number of results predicted by chance to have a
than or equal to the score of the result being printed,
d by analysis of the total score distribution.

SUMMARIES

ID	Length	DB	ID	Description
1.8	84	4	US-09-599-360B-77	Sequence 77, Appl
1.0	112	4	US-09-621-976-5677	Sequence 5677, Appl
1.0	112	4	US-09-621-976-5805	Sequence 5805, Appl
7.1	94	4	US-09-621-976-5714	Sequence 5714, Appl
1.8	664	3	US-09-268-140-2	Sequence 2, Appl
1.5	104	4	US-09-325-93A-49	Sequence 49, Appl
1.5	337	4	US-09-828-303-18	Sequence 18, Appl
1.0	180	2	US-08-786-605-3	Sequence 3, Appl
1.0	180	2	US-08-935-75C-48	Sequence 48, Appl
1.0	180	3	US-09-234-613-48	Sequence 48, Appl
1.0	284	2	US-08-786-605-9	Sequence 9, Appl
1.8	50	4	US-09-052-08A-15	Sequence 15, Appl
1.8	359	4	US-09-663-60A-106	Sequence 106, Appl
1.8	381	2	US-08-867-057-1	Sequence 1, Appl
1.8	381	2	US-08-867-057-3	Sequence 3, Appl
2.8	381	2	US-09-128-369-1	Sequence 1, Appl
2.8	381	2	US-09-128-369-3	Sequence 3, Appl
2.8	381	4	US-09-663-60A-200	Sequence 200, Appl
2.8	410	1	US-07-941-283-4	Sequence 4, Appl
2.4	317	4	US-09-921-09A-8	Sequence 8, Appl
2.3	1302	4	US-09-423-890-2	Sequence 2, Appl
2.3	1493	4	US-09-423-890-8	Sequence 8, Appl
2.3	1593	4	US-08-638-829-4	Sequence 4, Appl
1.3	305	4	US-09-36B-114	Sequence 114, Appl
1.1	67	1	US-07-945-283-5	Sequence 5, Appl
1.1	149	4	US-09-630-45A-205	Sequence 205, Appl
1.1	166	4	US-09-630-45A-204	Sequence 204, Appl

RESULT 2
US-09-621-776-5677
; Sequence 5677, Application US/09621976
; Patent No. 6639063
; GENERAL INFORMATION:
; APPLICANT: Dumas Milne Edwards, J.B.
; INVENTOR: Jobert, S.
; TITLE OF INVENTION: Complementary DNA's Encoding Proteins with Sign
; FILE REFERENCE: GENSET_050C3
; CURRENT APPLICATION NUMBER: US/09/599,360B
; CURRENT FILING DATE: 2000-06-21
; PRIOR APPLICATION NUMBER: 60/113,686
; PRIOR FILING DATE: 1998-12-22
; PRIOR APPLICATION NUMBER: 60/141,032
; PRIOR FILING DATE: 1999-06-25
; PRIOR APPLICATION NUMBER: 09/469,099
; PRIOR FILING DATE: 1999-12-21
; NUMBER OF SEQ ID NOS: 123
; SOFTWARE: Patent.pm
; SEQ ID NO: 77
; LENGTH: 84
; TYPE: PRT
; ORGANISM: Homo Sapiens
US-09-599-160B-77
Query Match 33.8%; Score 208; DB 4; Length 84;
Best Local Similarity 37.5%; Pred. No. 1.1e-15;
Matches 33; Conservative 17; Mismatches 30; Indels 8; G
Qy 21 RPEVKRNAAVALWDIVDNCACRNNHMDLICIEQANQAATSECTVAVGVCN
Db 2 KVVKIKCWNGVATWLYANDENGICRMFANGCCPDCDK----VPGDDCPLVWQGCS
Qy 81 PHCTISRMKTRY---CPLDNREWEQK 105
Db 57 MHCIKLWHLAQQVQQHCPMCROEWKFKE 84

RESULT 2
US-09-621-776-5677
; Sequence 5677, Application US/09621976
; Patent No. 6639063
; GENERAL INFORMATION:
; APPLICANT: Dumas Milne Edwards, J.B.
; INVENTOR: Jobert, S.
; TITLE OF INVENTION: ECRs and Encoded Human Proteins
; FILE REFERENCE: GENSET_054PR2
; CURRENT APPLICATION NUMBER: US/09/621,976

DATE: 2000-07-21
 ID NCS: 19335
 ext.ppm
 o sapiens
 JNAL
 5 .. -1
 30.0% Score 185; DB 4; Length 112;
 Identity 38.0%; Pred. No. 5. 1e-13;
 Conservative 13; Mismatches 28; Indels 8; Gaps 2;
 KKWNNAVALWANDIVDNCAICRNHIMDIECQANQASATSELECTVANGVCNHAFH 80
 KCWNGYATWLWANDENCGICRMFNGCOPDCR-----VPGDDCPPLVNGCSCFRH 56
 SRLMLKTRQV---CPL 96
 ILMILKLIACOVOOCPCM 75

5
pppppppp Application US/09621976
1631
ATION:
as Milne Edwards, J.B.
cent, S.
Bordano, J.Y.
ATION: ESTs and Encoded Human Proteins.
GENSET 054PR2
ATION NUMBER: US/09/621,976
DATE: 2000-07-21
ID NOS: 19335
ATE: pm

¹ Application US/09621976
063
ITION:
as Mine Edwards, J.B.
cert, S.
cordano, J.Y.
ITION: ESTs and Encoded Human Proteins
GENBET:054PR2
NUMBER: US/09/621,976
DATE: 2000-02-23
DATE: 2000-02-23

```

; NUMBER OF SEQ ID NOS: 19335
; SOFTWARE: Patent .pm
; SEQ ID NO: 5714
; LENGTH: 94
; TYPE: PRT
; ORGANISM: Homo sapiens
; FEATURE: SIGNAL
; NAME/KEY: SIGNAL
; LOCATION: -53..-1
; NAME/KEY: UNSURE
; LOCATION: 14
; OTHER INFORMATION: Xaa = Glu, Gln
US-09-621-976-5714

RESULT 5
US-09-268-140-2
; Sequence 2, Application US/09268140
; Patent No. 6268176
; GENERAL INFORMATION:
; APPLICANT: Gemmill, Robert M.
; APPLICANT: Drabkin, Harry A.
; TITLE OF INVENTION: TRC8, A GENE RELATED TO THE HEDGEHOG RECEPTOR
; FILE REFERENCE: 93445-00004
; CURRENT APPLICATION NUMBER: US/09/268,140
; CURRENT FILING DATE: 2000-03-12
; PRIOR APPLICATION NUMBER: US 60/077,723
; PRIOR FILING DATE: 1998-03-12
; NUMBER OF SEQ ID NOS: 46
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO: 2
; LENGTH: 664
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-268-140-2

Query Match          17.1%; Score 105.5; DB 4; Length 94;
Best Local Similarity 36.6%; Pred. No. 0.00022;
Matches 15; Conservative 8; Mismatches 13; Indels 5;

Qy      48 HIMDLCIECQNQAATSEECTVAGYCNHAFPHFCISRWL 88
Db      10 HLTDAAAPDCK----VGDGDCPLWVGQCSHCFEMHCILRK 45

Query Match          13.8%; Score 85; DB 3; Length 664;
Best Local Similarity 28.6%; Pred. No. 0.34;
Matches 24; Conservative 10; Mismatches 22; Indels 28;

Qy      20 KRFEVCKWNAAALWANDI-----VVDNCAITRNHMIDLCIEQANQAATASV
Db      522 RRTAVKTKNSLIP---EIKGSPRQEINDVCAICYHEF-----TTS

Query Match          13.8%; Score 85; DB 3; Length 664;
Best Local Similarity 28.6%; Pred. No. 0.34;
Matches 24; Conservative 10; Mismatches 22; Indels 28;

Qy      73 GVCNHAFHFFCHTSRNLKTRQVCP 96
Db      562 -PCNHYFHALLCLRWKLYIQDTCPM 584

RESULT 6
US-09-325-932A-49
; Sequence 49, Application US/09325932A
; Patent No. 6451604
; GENERAL INFORMATION:
; APPLICANT: Flinn, Barry
; APPLICANT: Lasham, Annette
; TITLE OF INVENTION: Compositions affecting programmed cell
; TITLE OF INVENTION: death and their use in the modification of f
; FILE REFERENCE: 1022
; CURRENT APPLICATION NUMBER: US/09/325,932A
; CURRENT FILING DATE: 1999-06-04
; NUMBER OF SEQ ID NOS: 206
; SOFTWARE: FastSEQ for Windows Version 3.0
; SEQ ID NO: 104

```

07:44:23 2004

us-09-541-462b-2.apr14:rai

radiata

radiata
 13 5%; Score 83; DB 4; Length 104;
 Haplotype 30%; Pred. No. 0.071; Indels 14;
 conservative 4; Mismatches 20;
 RHNHIMPLCIEQANQASATSETTCAAGVQCNTHAFPHFCISRMILKTRQVCPP
 SKFEDI-----EILRLPKCRHAFHDIDYTWLKHSSCP
 : | : | | | | | | | | | | | | | | | | | |
 ON: E. SILVA, OSWALDO DA
 ERIT, HANS J.
 THIelen, NICHA
 L, ROUTING
 ON: TRANSCRIPTION FACTOR STRESS-RELATED PROTEINS FROM
 ON: METHODS OF USE IN PLANTS
 1.16.31.3-0030
 ON: US/09/848,303
 DATE: 2000-08-20
 IN NUMBER: 60/196, 001
 RE: 2000-04-07
 NOS: 79
 In Ver. 2.1

comitrella patens

cation US/08786605
5
TION:
illman, Jennifer L.
-Young, Janice
leman, Roger
lli, Surya K.
ITION: NOVEL HUMAN ZINC-BINDING
ENTES: PROTEINS
ENCES: 9
ADDRESS: 9
Incyte Pharmaceuticals, Inc.
4 Porter Drive
Alto

1;

CLASSIFICATION: 514
PRIOR APPLICATION DATA:
APPLICATION NUMBER:
FILING DATE:
ATTORNEY/AGENT INFORMATION:
NAME: Billing, Lucy RJ
REGISTRATION NUMBER: 36-7449
REFERENCE/DOCKET NUMBER: PF-0173 US
TELECOMMUNICATION INFORMATION:
TELEPHONE: 415-855-0555
TELEFAX: 415-845-4166
TELEX:
INFORMATION FOR SEQ ID NO: 3 :
SEQUENCE CHARACTERISTICS:
LENGTH: 180 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
ID: 09/286-606-3

THIENEN, NOCHA
ROUTING
ON TRANSCRIPTION FACTOR STRESS-RELATED PROTEINS AND
METHODS OF USE IN PLANTS
16/313.0030
INVENTION NUMBER: US/09/B28,303
IN NUMBER: 2001-08-20
NAME: 2000-04-07
NOS: 79
In Ver. 7.1

cation US/08786605
5
Kilmann, Jennifer L.

Lehman, Roger
Li, Surya K.
TITLE: NOVEL HUMAN ZINC-BINDING
PROTEIN: PROTEINS
REFERENCES: 9
ADDRESS: 444 Porter Drive
Altro Incyte Pharmaceuticals, Inc.

CLASSIFICATION: 514
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER:
 FILING DATE:
 ATTORNEY/AGENT INFORMATION:
 NAME: Billings, Lucy RJ
 REGISTRATION NUMBER: 36,749
 REFERENCE/DOCKET NUMBER: PF-0173 US
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: 415-855-0555
 TELEFAX: 415-845-4166
 TELEX:
 INFORMATION FOR SEQ ID NO: 3:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 180 amino acids
 TYPE: amino acid
 STRANDEDNESS: single
 TOPOLOGY: linear
 US-08-786-06-3

Query Match Score 80; DB 2; Length 180;
 Best Local Similarity 28.2%; Pred. No. 0.28;
 Matches 29; Conservative 12; Mismatches 18; Indels 44; G
 C

Qy	1	M A A M D I D - T P S G T N - - S G A G K R R E V K R N A V A W M A W D I V D N A I C R N H I M L	-----CNY-----
Db	1	M A A A E E D G G P E G P N R E G G A G - A T F E - - - - -	-----CNY-----
Qy	57	Q A N Q A S A T S E E T V A N G V C H E A F H F H T S R M L K T - - - R O V C P L 96	-----CNY-----
Db	33	Q A N Q A S A T S E E T V A N G V C H E A F H F H T S R M L K T - - - R O V C P L 96	-----CNY-----
Qy	57	Q A N Q A S A T S E E T V A N G V C H E A F H F H T S R M L K T - - - R O V C P L 96	-----CNY-----
Db	33	Q A N Q A S A T S E E T V A N G V C H E A F H F H T S R M L K T - - - R O V C P L 96	-----CNY-----

KBSULLI 9
US-08-933-750C-48
Sequence 48, Application US/08933750C
Patent No. 5932442

GENERAL INFORMATION:

APPLICANT: Lal, Preeti
APPLICANT: Hilmann, Jennifer L.
APPLICANT: Bandman, Olga
APPLICANT: Shah, Purvi
APPLICANT: Au-Young, Janice
APPLICANT: Yue, Henry
APPLICANT: Guegler, Karl J.
APPLICANT: Cogli, Neil C.

TITLE OF INVENTION: HUMAN REGULATORY MOLECULES

NUMBER OF SEQUENCES: 98

CORRESPONDENCE ADDRESS:

ADDRESSEE: Incyte Pharmaceuticals, Inc.
STREET: 3174 Porter Drive
CITY: Palo Alto
STATE: CA
COUNTRY: USA
ZIP: 94304

COMPUTER READABLE FORM:

MEDIUM TYPE: Diskette
COMPUTER: IBM Compatible
OPERATING SYSTEM: DOS
SOFTWARE: FASTSEQ FOR Windows Version 2.0

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08933750C
FILING DATE: September 23, 1997
CLASSIFICATION: 536

PRIOR APPLICATION DATA:

APPLICATION NUMBER:
FILING DATE:
ATTORNEY/AGENT INFORMATION:

NAME: Billings, Lucy J.
REGISTRATION NUMBER: 36,749
REFERENCE/DOCKET NUMBER: FF-0356 US

07:44:23 2004

us-09-541-462b-2.apr14.raii

415-845-4166

R SEQ ID NO: 48:
RACTERISTICS:
80 amino acids
no acid
SS: single
linear
URCE:
TESTNOT07
17567

larity 13.0%; Score 80; DB 2; Length 180;
Conservative 12; Mismatches 18; Indels 44; Gaps 7;
AMDVD-TPSGTN--SGAGKKRKEVKWNNAVALWANDIVDNCATCRNHIM
AEEEDGPEGNRERGGAG-ATFE-----
QASATSECBTVAWGVCNHAHPFHCTSRWLKT---RQVCPL 96
----TAREAVVS--VCGHLYCWPCLHQWLETRPERQECPV 66

plication US/09234613
973

ATION:
Jai, Preeti
Hillman, Jennifer L.
Bhandari, Olga
Shah, Purvi
Au-Young, Janice
Yue, Henry
Guegler, Karl J.
Corley, Neil C.
ENTION: HUMAN REGULATORY MOLECULES
SEQUENCES : 98
CE ADDRESS:
Incyte Pharmaceuticals, Inc.
174 Porter Drive
o Alto
ATION:
USA

4
DABLE FORM:
E: Diskette
SYSTEM: DOS
FasSEQ For Windows Version 2.0
N NUMBER: US/09/234,613
E:
ATION DATA:
N NUMBER: US/08/933,750
NT INFORMATION:
Lings, Lucy J.
ON NUMBER: 36,749
DOCKET NUMBER: PF-0356 US
ATION INFORMATION:
415-855-0555
415-845-4166

R SEQ ID NO: 48:
RACTERISTICS:
80 amino acids
no acid
SS: single

; TOPOLOGY: linear
; IMMEDIATE SOURCE:
; LIBRARY: TESTNOT07
; CLONE: 3217567
; US-09-234-613-48
Query Match 13.0%; Score 80; DB 3; Length 180;
Best Local Similarity 28.4%; Pred. No. 0.28; Mismatches 12; Indels 44;
Matches 29; Conservative 12; ;
; CN
Qy 1 MAIAADMVD-TPSGTN--SGAGKKRKEVKWNNAVALWANDIVDNCATCRNHIM
Db 1 MAIAADMVD-TPSGTN--SGAGKKRKEVKWNNAVALWANDIVDNCATCRNHIM
; ;
Qy 57 QANQASATSECBTVAWGVCNHAHPFHCTSRWLKT---RQVCPL 96
Db 33 -----TAREAVVS--VCGHLYCWPCLHQWLETRPERQECPV 66
RESULT 11
US-08-786-606-9
Sequence 9, Application US/09234613
; Patent No. 5861495
; GENERAL INFORMATION:
; APPLICANT: Hillman, Jennifer L.
; APPLICANT: Au-Young, Janice
; APPLICANT: Coleman, Roger
; APPLICANT: Golli, Surya K.
; TITLE OF INVENTION: NOVEL HUMAN ZINC-BINDING
; TITLE OF INVENTION: PROTEINS
; NUMBER OF SEQUENCES: 9
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Incyte Pharmaceuticals, Inc.
; STREET: 3174 Porter Drive
; CITY: Palo Alto
; STATE: CA
; COUNTRY: USA
; ZIP: 94304
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: DOS
; SOFTWARE: FasSEQ for Windows Version 2.0
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/786,606
; FILING DATE:
; CLASSIFICATION: 514
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER:
; FILING DATE:
; ATTORNEY/AGENT INFORMATION:
; NAME: Billings, Lucy RJ
; REGISTRATION NUMBER: 36,749
; REFERENCE/DOCKET NUMBER: PF-0173 US
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 415-855-0555
; TELEFAX: 415-845-4166
; TELEX:
; INFORMATION FOR SEQ ID NO: 9:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 284 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; IMMEDIATE SOURCE:
; LIBRARY: GerBank
; CLONE: 157535
; US-08-786-606-9
Query Match 13.0%; Score 80; DB 2; Length 284;
Best Local Similarity 25.5%; Pred. No. 0.47; Mismatches 29; Indels 32;

07:44:23 2004

us-09-541-462b-2.apr14:rai

07:44:23 2004

us-09-541-462b-2.apr14.raii

415-855-0555
15-845-4166
SEQ ID NO: 1:
CHARACTERISTICS:
 1 amino acids
 0 acid
 S: single
 linear
 RCE:
 MARNOTC02
 1119

ICRNRHIMDLCIECQANQASATSEECTVAVGCVNQHAFPHFCISRWL-KTRQVCPY 96
 GDKRIL--POSHAHKCKVCPDWLTKTKECCPQ 280
 ICILEDYED-----
 arity 12.8%; Score 79; DB 2; Length 381;
 arity 29.3%; Pred. No. 0 84;
 conservative 10; Mismatches 15; Indels 16; gaps 3;
 ICRNRHIMDLCIECQANQASATSEECTVAVGCVNQHAFPHFCISRWL-KTRQVCPY 96
 GDKRIL--POSHAHKCKVCPDWLTKTKECCPQ 280
 ICILEDYED-----

: T INFORMATION:
ings, Lucy J.
IN NUMBER : 36-7
OCKET NUMBER:
ATION INFORMATION:
415-855-0555
15-845-4166
SEQ ID NO: 3:
ACTERISTICS:
1 amino acids
o acid
S: single
LINEAR
enBank
ACE:
1818

arity 12.8%; Score 79; DB 2; Length 381;
 Pred. NO. 0.84;
 conservative 10; Mismatches 15; Indels 16; Gaps 3;

07:44:23 2004

us-09-541-462b-2.apr14.rapb

Copyright (c) 1993 - 2004 Compugen Ltd.
n search, using sw model
il 14, 2004, 07:50:23 ; Search time 298 Seconds
(without alignments)
96.118 Million cell updates/sec
09-541-462B-2
AAAMDVTSGTINSGAGKK.....KTRQVCPILDNREMEFQKYGH 108
)SUM62
op 10.0 , Gapext 0.5
2010 seqs, 265213723 residues
s satisfying chosen parameters:
1082010
ith: 0
ith: 2000000000
nimum Match 0%
ximum Match 100%
string first 45 summaries
ublished Applications AA:
/cgn2_6/_ptodata/1/_pubpa/US07_PUBCOMB.pep:
/cgn2_6/_ptodata/1/_pubpa/US06_PUBCOMB.pep:
/cgn2_6/_ptodata/1/_pubpa/US05_NEW_PUB.pep:
/cgn2_6/_ptodata/1/_pubpa/US04_NEW_PUB.pep:
/cgn2_6/_ptodata/1/_pubpa/US03_NEW_PUB.pep:
/cgn2_6/_ptodata/1/_pubpa/US02_NEW_PUB.pep:
/cgn2_6/_ptodata/1/_pubpa/US01_NEW_PUB.pep:
/cgn2_6/_ptodata/1/_pubpa/US09_PUBCOMB.pep:
/cgn2_6/_ptodata/1/_pubpa/BCTUS_PUBCOMB.pep:
/cgn2_6/_ptodata/1/_pubpa/US08_NEW_PUB.pep:
/cgn2_6/_ptodata/1/_pubpa/US07_PUBCOMB.pep:
/cgn2_6/_ptodata/1/_pubpa/US09_A_PUBCOMB.pep:
/cgn2_6/_ptodata/1/_pubpa/US09_C_PUBCOMB.pep:
/cgn2_6/_ptodata/1/_pubpa/US09_G_PUBCOMB.pep:
/cgn2_6/_ptodata/1/_pubpa/US09_N_PUBCOMB.pep:
/cgn2_6/_ptodata/1/_pubpa/US10A_PUBCOMB.pep:
/cgn2_6/_ptodata/1/_pubpa/US10B_PUBCOMB.pep:
/cgn2_6/_ptodata/1/_pubpa/US10C_PUBCOMB.pep:
/cgn2_6/_ptodata/1/_pubpa/US11_N_PUB.pep:
/cgn2_6/_ptodata/1/_pubpa/US60_NNEW_PUB.pep:
/cgn2_6/_ptodata/1/_pubpa/US60_PUBCOMB.pep:
the number of results predicted by chance to have a
than or equal to the score of the result being printed,
d by analysis of the total score distribution.

ALIGNMENTS

RESULT 1
US-09-826-312-6
Sequence 6, Application US/09826312
; Patent No. US20020042053A1
GENERAL INFORMATION:
; APPLICANT: Issakani, Sarkiz D.
; APPLICANT: Huang, Jianing
; APPLICANT: Sheung, Julie
; APPLICANT: Pray, Todd R.
TITLE OF INVENTION: UBIQUITIN LIGASE ASSAY
FILE REFERENCE: A-68613-1.RMS/JJD
CURRENT APPLICATION NUMBER: US-09/826, 312
CURRENT FILING DATE: 2001-04-03
PRIOR APPLICATION NUMBER: US 09/542,497
PRIOR FILING DATE: 2000-04-03
NUMBER OF SEQ ID NOS: 17
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO: 6
; LENGTH: 108
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-826-312-6
Query Match 100.0%; Score 616; DB 9; Length 108;
Best Local Similarity 100.0%; Pred. No. 8.9e-61;
Matches 108; Conservative 0; Mismatches 0; Indels 0; G:
Qy 1 MAAMAMDVDTPGTNSGAGKRFEVKWNAAVALWANDIVDNCAICRNHMDLCIECK
Db 1 MAAMAMDVDTPGTNSGAGKRFEVKWNAAFHPHCISRWLKTRQVCPILDNREMEFQKYGH 108
Qy 61 ASATSEBCTVAGVCNHAFHPHCISRWLKTRQVCPILDNREMEFQKYGH 108
Db 61 ASATSEBCTVAGVCNHAFHPHCISRWLKTRQVCPILDNREMEFQKYGH 108
RESULT 2
US-10-108-767-6
Sequence 6, Appli
Sequence 6, Appli
Sequence 6, Appli
Sequence 6, Appli
Sequence 148916,
Sequence 221431,
Sequence 148915,
Sequence 230014,
Sequence 826, App
Sequence 1285, Ap
Sequence 238320
Sequence 8, Appli
Sequence 8, Appli
Sequence 8, Appli
Sequence 8, Appli
Sequence 242288,
Sequence 264079,

lication US/10108767
 TION: US20030104474A1
 akani, Sarkiz D.
 ang, Jianing
 eung, Julie
 ay, Todd R.
 TION: ASSAYS FOR IDENTIFYING UBIQUITIN AGENTS AND FOR IDENTIFYING AGENT
 : A-68613-5/RMS/DCF
 ATION NUMBER: US/10/108, 767
 DATE: 2002-09-26
 ION NUMBER: US 09/542, 497
 ATE: 2000-04-03
 ION NUMBER: US 09/826, 312
 ATE: 2001-04-03
 ION NUMBER: US 10/091, 139
 ATE: 2002-03-04
 ID NOS: 27
 natin version 3.1

o sapiens

Score 100.0%; Score 616; DB 14; Length 108;
 Conservative 0; Mismatches 0; Indels 0; Gaps 0;
 AMDVDTPSGTNSGAGKRFEVKKNAVALWAVDVNDCAICRHIMDLCTECANO 60
 AMDVDTPSGTNSGAGKRFEVKKNAVALWAVDVNDCAICRHIMDLCTECANOQ 60
 TSEEECTVAVGVCNHAFPHFC1SRWLKTRQVCPLDNREWEFOKYGH 108
 TSEEECTVAVGVCNHAFPHFC1SRWLKTRQVCPLDNREWEFOKYGH 108

lication US/10152156
 TION: US20030108947A1
 akani, Sarkiz D.
 ang, Jianing
 eung, Julie
 ay, Todd R.
 TION: ASSAYS FOR IDENTIFYING UBIQUITIN AGENTS AND FOR IDENTIFYING AGENT
 : A-68613-6/RMS/DCF
 ATION NUMBER: US/10/152, 156
 DATE: 2002-05-20
 ION NUMBER: US 09/542, 497
 ATE: 2000-04-03
 ION NUMBER: US 09/826, 312
 ION NUMBER: US 10/091, 174
 ATE: 2002-03-04
 ION NUMBER: US 10/091, 139
 ATE: 2002-03-04
 ION NUMBER: US 10/119, 460
 ATE: 2002-03-26
 ION NUMBER: US 10/108, 767
 ATE: 2002-03-26
 ION NUMBER: US 60/291, 836
 ATE: 2001-05-18
 ID NOS: 27
 natin version 3.1

o sapiens

US-10-152-156-6

Query Match 100.0%; Score 616; DB 14; Length 108;

Best Local Similarity 100.0%; Pred. No. 8.9e-61;
 Matches 108; Conservative 0; Mismatches 0; Indels 0;
 Qy 1 MAAMDDVDTPSGTNSGAGKRFEVKKNAVALWAVDVNDCAICRHIMDLCTECANO 61
 Db 1 MAAMDDVDTPSGTNSGAGKRFEVKKNAVALWAVDVNDCAICRHIMDLCTECANO 61
 Qy 61 ASATSEECTVAVGVCNHAFPHFC1SRWLKTRQVCPLDNREWEFOKYGH 108
 Db 61 ASATSEECTVAVGVCNHAFPHFC1SRWLKTRQVCPLDNREWEFOKYGH 108

RESULT 4

US-10-424-599-148916

; Sequence 148916, Application US/10424599
 ; Publication No. US2004031072A1
 ; GENERAL INFORMATION:
 ; APPLICANT: La Rosa Thomas J
 ; ATTORNEY: Kovacic David K
 ; APPLICANT: Zhou Yihua
 ; APPLICANT: Cao Yongwei
 ; TITLE OF INVENTION: Soy Nucleic Acid Molecules and Other Molecules
 ; TITLE OF INVENTION: Plants and Uses Thereof for Plant Improvement
 ; FILE REFERENCE: 38-21(53223) B
 ; CURRENT APPLICATION NUMBER: US/10/424, 599
 ; CURRENT FILING DATE: 2003-04-28
 ; NUMBER OF SEQ ID NOS: 285684
 ; SEQ ID NO: 148916
 ; LENGTH: 118
 ; TYPE: PRT
 ; ORGANISM: Glycine max
 ; FEATURE:
 ; OTHER INFORMATION: Clone ID: PAT_MRT3847_105494C.1.pep

US-10-424-599-148916

Query Match 84.2%; Score 518.5; DB 12; Length 118;
 Best Local Similarity 80.3%; Pred. No. 6.9e-50;
 Matches 94; Conservative 5; Mismatches 7; Indels 11;
 Qy 3 AAMDVDT---PSG-TNGAG-----KKRFEVKKNAVALWAWDITVDNCACR 52
 Db 2 ATIDSDTIVFPAGEASSAGPSSTSKKPKRFELKKNANAVSLWDITVDNCACR
 Qy 52 LCIECQANQASATSEECTVAVGVCNHAFPHFC1SRWLKTRQVCPLDNREWEFOKY
 Db 62 LCIECQANQASATSEECTVAVGVCNHAFPHFC1SRWLKTRQVCPLDNREWEFOKY

RESULT 5

; Sequence 221431, Application US/10424599
 ; Publication No. US2004031072A1
 ; GENERAL INFORMATION:
 ; APPLICANT: La Rosa Thomas J
 ; ATTORNEY: Kovacic David K
 ; APPLICANT: Zhou Yihua
 ; APPLICANT: Cao Yongwei
 ; TITLE OF INVENTION: Soy Nucleic Acid Molecules and Other Molecules
 ; TITLE OF INVENTION: Plants and Uses Thereof for Plant Improvement
 ; FILE REFERENCE: 38-21(53223) B
 ; CURRENT APPLICATION NUMBER: US/10/424, 599
 ; CURRENT FILING DATE: 2003-04-28
 ; NUMBER OF SEQ ID NOS: 285684
 ; SEQ ID NO: 221431
 ; LENGTH: 152
 ; TYPE: PRT
 ; ORGANISM: Glycine max
 ; FEATURE:
 ; OTHER INFORMATION: Clone ID: PAT_MRT3847_419822C.1.pep

o sapiens

US-10-424-599-221431

7:44:23 2004

us-09-541-462b-2.apr14.rapp

07:44:23 2004

us-09-541-462b-2.apr14.rapb

7:44:23 2004

us-09-541-462b-2.apr14.rapb

E: 2002-03-04
N NUMBER: US 10/109,460
E: 2002-03-26
N NUMBER: US 10/108,767
E: 2002-03-26
N NUMBER: US 60/291,836
E: 2001-05-18
NOS: 27
In version 3.1

sapiens

Q: 46.6%; Score 287; DB 14; Length 113;
rity 49.5%; Pred. No. 3.7e-24;
nservative 14; Mismatches 31; Indels 4; Gaps 2;
GAGKRFKEVKWNNAVALWADIVDNCIAICRNHIMDLICEQANQASATSECTV 70
G-GDXNFSLKEKWNPVAMWSMVECDTCIAICRQVMDAICLRCQAEN--RQEDECWV 75
NHAFPHFCISERWLKTRQVCPLDNREWEFQKIG 107
NHSFANCMSLWVKQNMRCPLCQQDMVQRIG 112

8 Application US/10424599
S2004031072A1
ON:
sa Thomas J
Yihua
Yongwei
ON: Soy Nucleic Acid Molecules and Other Molecules Associated With
ON: Plants and Uses Thereof for Plant Improvement
38-21(53223)B
ION NUMBER: US/10/424,599
ATE: 2003-04-28
NOS: 285684

ne max

e (68)
ON: unsure at all Xaa locations
ON: Clone ID: PAT_MRT3847_60814C.1.pep
8
rity 45.8%; Score 282; DB 12; Length 68;
nserative 69.1%; Pred. No. 7.9e-24;
nservative 9; Mismatches 12; Indels 0; Gaps 0;
AVALWADIVDNCIAICRNHIMDLICEQANQASATSECTVAGYCNHAFPHFC 83
ADGIWAWDLVVGNCIAICRHHMDLCVCLANQASISXECTVARGYNHALHLHC 60
KTR 91
KTR 68

19 Application US/10424599
S2004031072A1
ON:

17:44:24 2004

us-09-541-462b-2.apr14.rn1

GenCore version 5.1.6
Copyright (c) 1993 - 2004 Compugen Ltd.
c search, using frame_plus_p2n model
il 14, 2004, 08:53:35 ; Search time 68 Seconds
(without alignments)
881.393 Million cell updates/sec
09-541-462B-2
AAAMDVTPTSGTNSGACKK.....KTRQVCPIDNREWEFQYGH 108
SUM62
pop 10.0 , Xgapext 0.5
pop 10.0 , Ygapext 0.5
pop 6.0 , Fgapext 7.0
op 6.0 , Delext 7.0
:709 seeds, 27747546 residues
s satisfying chosen parameters:
ith: 0
rth: 2000000000
minimum Match 0%
maximum Match 100%
.string first 45 summaries
iters:
model -DEV=xlh
pool /US041162/runat_14042004_074618_23078/app/query.fasta_1..263
NA -QFMT=fastaq -SUFFIX=apr14.rn1 -MINMATCH=0.1 -LOOPCL=0
its -SPART=1 -END=-1 -MATRIX=blossum62 -TRANS=human40.cdi
:200 -THR SCORE=pct -THR MAX=100 -INR MIN=0 -ALIGN=15
:pro -NORM=ext -HEAPSIZE=5000 -MINLEN=0 -MAXLEN=20000000000
:GN 1..1..56 @runat_14042004_074618_23078 -NCPU=6 -ICPU=3
NY -NEG SCORES=0 -WAIT -DSBLOCK=100 -LONGLOG
:ARN TIMEOUT=30 -THREADS=1 -XGAPOP=10 -XGAPEXT=0..5 -FGAPOP=6
:10 -YGAPEXT=0..5 -DELOP=6 -DELEXT=7
:ued Patents NA:
/cgns_6/prodata/2/ina/5A COMB.seq:
/cgns_6/prodata/2/ina/5B COMB.seq:
/cgns_6/prodata/2/ina/6A COMB.seq:
/cgns_6/prodata/2/ina/6B COMB.seq:
/cgns_6/prodata/2/ina/PCTM COMB.seq:
/cgns_6/prodata/2/ina/backfiles.seq:
the number of results predicted by chance to have a
; than or equal to the score of the result being printed,
; id by analysis of the total score distribution.

SEQUENCE ALIGNMENT

Sequence 1: US-07-945-283-1
Sequence 2: US-09-333-898
Sequence 3: US-09-023-655-20
Sequence 4: Sequence 1: US-09-268-140-11
Sequence 5: Sequence 1: US-09-268-140-1
Sequence 6: Sequence 7: US-09-268-140-7
Sequence 7: Sequence 4: US-09-325-932A-4
Sequence 8: Sequence 2: US-08-116-283-3
Sequence 9: Sequence 2: US-08-116-597-2
Sequence 10: Sequence 8: US-08-998-416-881
Sequence 11: Sequence 4: US-08-233-750C-97
Sequence 12: Sequence 9: Sequence 3: US-09-234-613-97
Sequence 13: Sequence 2: US-08-948-416-881
Sequence 14: Sequence 1: US-09-663-600A-153
Sequence 15: Sequence 8: US-08-867-057-2
Sequence 16: Sequence 2: US-09-128-369-2
Sequence 17: Sequence 5: US-09-163-600A-59
Sequence 18: Sequence 7: US-09-313-994A-756
Sequence 19: Sequence 4: US-09-620-443
Sequence 20: Sequence 1: US-09-280-116-115
Sequence 21: Sequence 1: US-09-663-600A-153
Sequence 22: Sequence 2: US-09-643-990A-1
Sequence 23: Sequence 2: US-09-364-206-28
Sequence 24: Sequence 1: US-09-423-890-1
Sequence 25: Sequence 1: US-09-359-756-1
Sequence 26: Sequence 7: US-09-423-890-7
Sequence 27: Sequence 3: US-08-828-822-3
Sequence 28: Sequence 6: US-09-593-360B-64
Sequence 29: Sequence 1: US-09-328-351-1185
Sequence 30: Sequence 3: US-09-590-454-39
Sequence 31: Sequence 1: US-09-205-298-156
Sequence 32: Sequence 6: US-08-786-606-6

ALIGNMENTS

RESULT 1
US-09-780-016-27
Sequence 27, Application US/097800016
PATENT NO. 6509456
GENERAL INFORMATION
APPLICANT: Donoho, Gregory
APPLICANT: Scoville, John
APPLICANT: Turner, C. Alexander Jr.
APPLICANT: Friedrich, Glenn
APPLICANT: Abuin, Alejandro
APPLICANT: Zambowicz, Brian
APPLICANT: Sands, Arthur T.
TITLE OF INVENTION: Polynucleotides Encoding the Same
FILE REFERENCE: LEX-0132-USA
CURRENT APPLICATION NUMBER: US/09/780,016
CURRENT FILING DATE: 2001-02-09
PRIOR APPLICATION NUMBER: US 60/181,294
PRIOR FILING DATE: 2000-02-11
NUMBER OF SEQ ID NOS: 27
SOFTWARE: FASTSEQ for Windows Version 4.0

SEQ ID NO 27
LENGTH: 3208
TYPE: DNA
ORGANISM: homo sapiens
US-09-780-016-27

Alignment Scores:
Pred. No.: 4e-53 Length: 3208
Score: 501.50 Matches: 88
Percent Similarity: 95.70% Conservative: 1
Best Local Similarity: 94.62% Mismatches: 1
Query Match: 81.41% Indels: 3
DB: 4 Gaps: 1

SUMMARIES

ID	Length	DB	ID	Description
1..4	3208	4	US-09-780-016-27	Sequence 27, Appl Sequence 15180, A
1..0	463	4	US-09-621-976-15180	Sequence 492, Appl Sequence 27, Appl Sequence 1814, Appl Sequence 1817, Appl Sequence 1854, Appl Sequence 2051, Appl Sequence 1965, Appl Sequence 667, Appl Sequence 10, Appl Sequence 2, Appl
2..6	301	4	US-09-313-294A-492	Sequence 492, Appl Sequence 27, Appl Sequence 1814, Appl Sequence 1817, Appl Sequence 1854, Appl Sequence 2051, Appl Sequence 1965, Appl Sequence 667, Appl Sequence 10, Appl Sequence 2, Appl
5..2	648	4	US-09-599-360B-27	Sequence 492, Appl Sequence 27, Appl Sequence 1814, Appl Sequence 1817, Appl Sequence 1854, Appl Sequence 2051, Appl Sequence 1965, Appl Sequence 667, Appl Sequence 10, Appl Sequence 2, Appl
4..9	738	4	US-09-833-381-1814	Sequence 492, Appl Sequence 27, Appl Sequence 1814, Appl Sequence 1817, Appl Sequence 1854, Appl Sequence 2051, Appl Sequence 1965, Appl Sequence 667, Appl Sequence 10, Appl Sequence 2, Appl
2..5	534	4	US-09-621-976-1817	Sequence 492, Appl Sequence 27, Appl Sequence 1814, Appl Sequence 1817, Appl Sequence 1854, Appl Sequence 2051, Appl Sequence 1965, Appl Sequence 667, Appl Sequence 10, Appl Sequence 2, Appl
2..1	671	4	US-09-621-976-1854	Sequence 492, Appl Sequence 27, Appl Sequence 1814, Appl Sequence 1817, Appl Sequence 1854, Appl Sequence 2051, Appl Sequence 1965, Appl Sequence 667, Appl Sequence 10, Appl Sequence 2, Appl
2..1	539	4	US-09-621-976-2051	Sequence 492, Appl Sequence 27, Appl Sequence 1814, Appl Sequence 1817, Appl Sequence 1854, Appl Sequence 2051, Appl Sequence 1965, Appl Sequence 667, Appl Sequence 10, Appl Sequence 2, Appl
1..0	654	4	US-09-621-976-1945	Sequence 492, Appl Sequence 27, Appl Sequence 1814, Appl Sequence 1817, Appl Sequence 1854, Appl Sequence 2051, Appl Sequence 1965, Appl Sequence 667, Appl Sequence 10, Appl Sequence 2, Appl
4..8	940	4	US-09-023-655-667	Sequence 492, Appl Sequence 27, Appl Sequence 1814, Appl Sequence 1817, Appl Sequence 1854, Appl Sequence 2051, Appl Sequence 1965, Appl Sequence 667, Appl Sequence 10, Appl Sequence 2, Appl
4..6	1839	4	US-09-828-303-10	Sequence 492, Appl Sequence 27, Appl Sequence 1814, Appl Sequence 1817, Appl Sequence 1854, Appl Sequence 2051, Appl Sequence 1965, Appl Sequence 667, Appl Sequence 10, Appl Sequence 2, Appl
4..6	1690	4	US-09-828-303-2	Sequence 492, Appl Sequence 27, Appl Sequence 1814, Appl Sequence 1817, Appl Sequence 1854, Appl Sequence 2051, Appl Sequence 1965, Appl Sequence 667, Appl Sequence 10, Appl Sequence 2, Appl

07:44:24 2004

us-09-541-462b-2.apr14.rni

NOS : 123
• fm
Sapiens
438
signal
6117
site
6448

3
ON: Milne Edwards, J.B.
rt, S.
dano, J.Y.
ON: ESTs and Encoded Human Proteins.
GENSET NUMBER: 05-PR2
ATION NUMBER: US/09/621,976
ATE: 2000-07-21
NOS: 19335
.pm

3
ON: Milne Edwards, J.B.
rt, S.
dano, J.Y.
ON: BATS and Encoded Human Proteins.
GENSET, 054FR2
ION NUMBER: US/09/621, 976
ATE: 2000-07-21
NOS: 19335
.pm

3
ON: sapiens
epitide
5.42E-15
Length: 654
191.00 Matches: 35
54.74% Conservative: 17
36.84% Mismatches: 35
31.01% Indels: 9
4 Gaps: 2
-1.08) x US-09-621-976-1945 (1-654)
.aGlyLysArgPheGluValLysTrpAlaLeuTrpAlaTrp 35
:TGGGCCATGAAAGTGAGATTAAGTGTGGAAACGGCTGGCACTTGGCTGG 242
.eValValAspAspCysAlaIleCysArgAsnHisIleSerLeuCysIleGlu 55
:CAACGATGAGAATGTTGCATCTGGCAGATGGCATTAACGGATGGCGCCGAC 302
.nAlaAsnGlnAlaSerAlaThrSerGluGlyCysThrValAlaTrpGlyValCys 75
:G-----GTGCCCGCAGCACGCCCCTGGCTGGCCAGGGCAGGGC 347
.SAlaPheHisPheHisCysIleSerArgTrpLeuLysThrArgGlnVal---- 93
:CTCTTCACATCATCATTCAAGTGGCGACCCACACAGGTGCAAGGAG 407
.rspoleuAspAsnArgGlnIutrpLpheGlnLysTrpGly 107
:||| :||| :||| :||| :||| :||| :||| :||| :||| :||| :|||
:CCCCATGTGCCGCCA-GATGGGAGTCAAGGGTGAAGC 451
)lication US/09023655
79
rTON:
cks, Benjamin G.
ian G. Stuart
effrey J. Seihamer
NTION: COMPOSITION FOR THE DETECTION OF BLOOD CELL GENE
NTION: EXPRESSION
JENES: 1508
3 ADDRESS:
INCYTE PHARMACEUTICALS, INC.
74 PORTER DRIVE
ALTO
IFORNIA

3
ON: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Word Perfect 6.1 for Windows/MS-DOS 6.2
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/023, 655
FILING DATE: HEREWITH
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER:
FILING DATE:
CLASSIFICATION:
ATTORNEY/AGENT INFORMATION:
NAME: Zeiller, Karen J.
REGISTRATION NUMBER: 37,071
REFERENCE/DOCKET NUMBER: PA-0001 US
TELECOMMUNICATION INFORMATION:
TELEPHONE: (650) 855-0555
TELEFAX: (650) 845-4166
INFORMATION FOR SEQ ID NO: 667:
SEQUENCE CHARACTERISTICS:
LENGTH: 940 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
IMMEDIATE SOURCE:
LIBRARY: EOSTHET02
CLONE: 401527
US-09-023-655-667
Alignment Scores:
Pred. No.: 0.0345
Score: 91.00
Percent Similarity: 75.00%
Best Local Similarity: 58.33%
Query Match: 14.77%
DB: 4
Length: 940
Matches: 14
Mismatches: 6
Indels: 0
Gaps: 0
US-09-541-462B-2 (1-108) x US-09-023-655-667 (1-940)
US-09-828-303-10
; Sequence 10, Application US/09B28303
; Patent No. 667704
; GENERAL INFORMATION:
; APPLICANT: COSTA E SILVA, OSWALDO DA
; APPLICANT: BONNET, HANS J.
; APPLICANT: VAN THILEN, NOCHA
; APPLICANT: CHRN, ROUVING
; TITLE OF INVENTION: TRANSCRIPTION FACTOR STRESS-RELATED
; FILE REFERENCE: 1613-0010
; CURRENT APPLICATION NUMBER: US/09/828,303
; CURRENT FILING DATE: 2001-08-20
; PRIOR APPLICATION NUMBER: 60/196,001
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 79
; SEQ ID NO 10
; LENGTH: 1839
; SOFTWARE: PatentIn Ver. 2.1
; TYPE: DNA
; ORGANISM: Physcomitrella patens

US-09-828-303-10
; Sequence 10, Application US/09B28303
; Patent No. 667704
; GENERAL INFORMATION:
; APPLICANT: COSTA E SILVA, OSWALDO DA
; APPLICANT: BONNET, HANS J.
; APPLICANT: VAN THILEN, NOCHA
; APPLICANT: CHRN, ROUVING
; TITLE OF INVENTION: METHODS OF USE IN PLANTS
; FILE REFERENCE: 1613-0010
; CURRENT APPLICATION NUMBER: US/09/828,303
; CURRENT FILING DATE: 2001-08-20
; PRIOR APPLICATION NUMBER: 60/196,001
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 79
; SEQ ID NO 10
; LENGTH: 1839
; SOFTWARE: PatentIn Ver. 2.1
; TYPE: DNA
; ORGANISM: Physcomitrella patens

US-09-828-303-10
; Sequence 10, Application US/09B28303
; Patent No. 667704
; GENERAL INFORMATION:
; APPLICANT: COSTA E SILVA, OSWALDO DA
; APPLICANT: BONNET, HANS J.
; APPLICANT: VAN THILEN, NOCHA
; APPLICANT: CHRN, ROUVING
; TITLE OF INVENTION: METHODS OF USE IN PLANTS
; FILE REFERENCE: 1613-0010
; CURRENT APPLICATION NUMBER: US/09/828,303
; CURRENT FILING DATE: 2001-08-20
; PRIOR APPLICATION NUMBER: 60/196,001
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 79
; SEQ ID NO 10
; LENGTH: 1839
; SOFTWARE: PatentIn Ver. 2.1
; TYPE: DNA
; ORGANISM: Physcomitrella patens

2:
5:
8:
11:
14:
17:
20:
23:
26:
29:
32:
35:
38:
41:
44:
47:
50:
53:
56:
59:
62:
65:
68:
71:
74:
77:
80:
83:
86:
89:
92:
95:
98:
101:
104:
107:
110:
113:
116:
119:
122:
125:
128:
131:
134:
137:
140:
143:
146:
149:
152:
155:
158:
161:
164:
167:
170:
173:
176:
179:
182:
185:
188:
191:
194:
197:
200:
203:
206:
209:
212:
215:
218:
221:
224:
227:
230:
233:
236:
239:
242:
245:
248:
251:
254:
257:
260:
263:
266:
269:
272:
275:
278:
281:
284:
287:
290:
293:
296:
299:
302:
305:
308:
311:
314:
317:
320:
323:
326:
329:
332:
335:
338:
341:
344:
347:
350:
353:
356:
359:
362:
365:
368:
371:
374:
377:
380:
383:
386:
389:
392:
395:
398:
401:
404:
407:
410:
413:
416:
419:
422:
425:
428:
431:
434:
437:
440:
443:
446:
449:
452:
455:
458:
461:
464:
467:
470:
473:
476:
479:
482:
485:
488:
491:
494:
497:
500:
503:
506:
509:
512:
515:
518:
521:
524:
527:
530:
533:
536:
539:
542:
545:
548:
551:
554:
557:
560:
563:
566:
569:
572:
575:
578:
581:
584:
587:
590:
593:
596:
599:
602:
605:
608:
611:
614:
617:
620:
623:
626:
629:
632:
635:
638:
641:
644:
647:
650:
653:
656:
659:
662:
665:
668:
671:
674:
677:
680:
683:
686:
689:
692:
695:
698:
701:
704:
707:
710:
713:
716:
719:
722:
725:
728:
731:
734:
737:
740:
743:
746:
749:
752:
755:
758:
761:
764:
767:
770:
773:
776:
779:
782:
785:
788:
791:
794:
797:
800:
803:
806:
809:
812:
815:
818:
821:
824:
827:
830:
833:
836:
839:
842:
845:
848:
851:
854:
857:
860:
863:
866:
869:
872:
875:
878:
881:
884:
887:
890:
893:
896:
899:
902:
905:
908:
911:
914:
917:
920:
923:
926:
929:
932:
935:
938:
941:
944:
947:
950:
953:
956:
959:
962:
965:
968:
971:
974:
977:
980:
983:
986:
989:
992:
995:
998:
1001:
1004:
1007:
1010:
1013:
1016:
1019:
1022:
1025:
1028:
1031:
1034:
1037:
1040:
1043:
1046:
1049:
1052:
1055:
1058:
1061:
1064:
1067:
1070:
1073:
1076:
1079:
1082:
1085:
1088:
1091:
1094:
1097:
1100:
1103:
1106:
1109:
1112:
1115:
1118:
1121:
1124:
1127:
1130:
1133:
1136:
1139:
1142:
1145:
1148:
1151:
1154:
1157:
1160:
1163:
1166:
1169:
1172:
1175:
1178:
1181:
1184:
1187:
1190:
1193:
1196:
1199:
1202:
1205:
1208:
1211:
1214:
1217:
1220:
1223:
1226:
1229:
1232:
1235:
1238:
1241:
1244:
1247:
1250:
1253:
1256:
1259:
1262:
1265:
1268:
1271:
1274:
1277:
1280:
1283:
1286:
1289:
1292:
1295:
1298:
1301:
1304:
1307:
1310:
1313:
1316:
1319:
1322:
1325:
1328:
1331:
1334:
1337:
1340:
1343:
1346:
1349:
1352:
1355:
1358:
1361:
1364:
1367:
1370:
1373:
1376:
1379:
1382:
1385:
1388:
1391:
1394:
1397:
1400:
1403:
1406:
1409:
1412:
1415:
1418:
1421:
1424:
1427:
1430:
1433:
1436:
1439:
1442:
1445:
1448:
1451:
1454:
1457:
1460:
1463:
1466:
1469:
1472:
1475:
1478:
1481:
1484:
1487:
1490:
1493:
1496:
1499:
1502:
1505:
1508:
1511:
1514:
1517:
1520:
1523:
1526:
1529:
1532:
1535:
1538:
1541:
1544:
1547:
1550:
1553:
1556:
1559:
1562:
1565:
1568:
1571:
1574:
1577:
1580:
1583:
1586:
1589:
1592:
1595:
1598:
1601:
1604:
1607:
1610:
1613:
1616:
1619:
1622:
1625:
1628:
1631:
1634:
1637:
1640:
1643:
1646:
1649:
1652:
1655:
1658:
1661:
1664:
1667:
1670:
1673:
1676:
1679:
1682:
1685:
1688:
1691:
1694:
1697:
1700:
1703:
1706:
1709:
1712:
1715:
1718:
1721:
1724:
1727:
1730:
1733:
1736:
1739:
1742:
1745:
1748:
1751:
1754:
1757:
1760:
1763:
1766:
1769:
1772:
1775:
1778:
1781:
1784:
1787:
1790:
1793:
1796:
1799:
1802:
1805:
1808:
1811:
1814:
1817:
1820:
1823:
1826:
1829:
1832:
1835:
1838:
1841:
1844:
1847:
1850:
1853:
1856:
1859:
1862:
1865:
1868:
1871:
1874:
1877:
1880:
1883:
1886:
1889:
1892:
1895:
1898:
1901:
1904:
1907:
1910:
1913:
1916:
1919:
1922:
1925:
1928:
1931:
1934:
1937:
1940:
1943:
1946:
1949:
1952:
1955:
1958:
1961:
1964:
1967:
1970:
1973:
1976:
1979:
1982:
1985:
1988:
1991:
1994:
1997:
1998:
2001:
2004:
2007:
2010:
2013:
2016:
2019:
2022:
2025:
2028:
2031:
2034:
2037:
2040:
2043:
2046:
2049:
2052:
2055:
2058:
2061:
2064:
2067:
2070:
2073:
2076:
2079:
2082:
2085:
2088:
2091:
2094:
2097:
2100:
2103:
2106:
2109:
2112:
2115:
2118:
2121:
2124:
2127:
2130:
2133:
2136:
2139:
2142:
2145:
2148:
2151:
2154:
2157:
2160:
2163:
2166:
2169:
2172:
2175:
2178:
2181:
2184:
2187:
2190:
2193:
2196:
2199:
2202:
2205:
2208:
2211:
2214:
2217:
2220:
2223:
2226:
2229:
2232:
2235:
2238:
2241:
2244:
2247:
2250:
2253:
2256:
2259:
2262:
2265:
2268:
2271:
2274:
2277:
2280:
2283:
2286:
2289:
2292:
2295:
2298:
2301:
2304:
2307:
2310:
2313:
2316:
2319:
2322:
2325:
2328:
2331:
2334:
2337:
2340:
2343:
2346:
2349:
2352:
2355:
2358:
2361:
2364:
2367:
2370:
2373:
2376:
2379:
2382:
2385:
2388:
2391:
2394:
2397:
2400:
2403:
2406:
2409:
2412:
2415:
2418:
2421:
2424:
2427:
2430:
2433:
2436:
2439:
2442:
2445:
2448:
2451:
2454:
2457:
2460:
2463:
2466:
2469:
2472:
2475:
2478:
2481:
2484:
2487:
2490:
2493:
2496:
2499:
2502:
2505:
2508:
2511:
2514:
2517:
2520:
2523:
2526:
2529:
2532:
2535:
2538:
2541:
2544:
2547:
2550:
2553:
2556:
2559:
2562:
2565:
2568:
2571:
2574:
2577:
2580:
2583:
2586:
2589:
2592:
2595:
2598:
2601:
2604:
2607:
2610:
2613:
2616:
2619:
2622:
2625:
2628:
2631:
2634:
2637:
2640:
2643:
2646:
2649:
2652:
2655:
2658:
2661:
2664:
2667:
2670:
2673:
2676:
2679:
2682:
2685:
2688:
2691:
2694:
2697:
2700:
2703:
2706:
2709:
2712:
2715:
2718:
2721:
2724:
2727:
2730:
2733:
2736:
2739:
2742:
2745:
2748:
2751:
2754:
2757:
2760:
2763:
2766:
2769:
2772:
2775:
2778:
2781:
2784:
2787:
2790:
2793:
2796:
2799:
2802:
2805:
2808:
2811:
2814:
2817:
2820:
2823:
2826:
2829:
2832:
2835:
2838:
2841:
2844:
2847:
2850:
2853:
2856:
2859:
2862:
2865:
2868:
2871:
2874:
2877:
2880:
2883:
2886:
2889:
2892:
2895:
2898:
2901:
2904:
2907:
2910:
2913:
2916:
2919:
2922:
2925:
2928:
2931:
2934:
2937:
2940:
2943:
2946:
2949:
2952:
2955:
2958:
2961:
2964:
2967:
2970:
2973:
2976:
2979:
2982:
2985:
2988:
2991:
2994:
2997:
3000:
3003:
3006:
3009:
3012:
3015:
3018:
3021:
3024:
3027:
3030:
3033:
3036:
3039:
3042:
3045:
3048:
3051:
3054:
3057:
3060:
3063:
3066:
3069:
3072:
3075:
3078:
3081:
3084:
3087:
3090:
3093:
3096:
3099:
3102:
3105:
3108:
3111:
3114:
3117:
3120:
3123:
3126:
3129:
3132:
3135:
3138:
3141:
3144:
3147:
3150:
3153:
3156:
3159:
3162:
3165:
3168:
3171:
3174:
3177:
3180:
3183:
3186:
3189:
3192:
3195:
3198:
3201:
3204:
3207:
3210:
3213:
3216:
3219:
3222:
3225:
3228:
3231:
3234:
3237:
3240:
3243:
3246:
3249:
3252:
3255:
3258:
3261:
3264:
3267:
3270:
3273:
3276:
3279:
3282:
3285:
3288:
3291:
3294:
3297:
3300:
3303:
3306:
3309:
3312:
3315:
3318:
3321:
3324:
3327:
3330:
3333:
3336:
3339:
3342:
3345:
3348:
3351:
3354:
3357:
3360:
3363:
3366:
3369:
3372:
3375:
3378:
3381:
3384:
3387:
3390:
3393:
3396:
3399:
3402:
3405:
3408:
3411:
3414:
3417:
3420:
3423:
3426:
3429:
3432:
3435:
3438:
3441:
3444:
3447:
3450:
3453:
3456:
3459:
3462:
3465:
3468:
3471:
3474:
3477:
3480:
3483:
3486:
3489:
3492:
3495:
3498:
3501:
3504:
3507:
3510:
3513:
3516:
3519:
3522:
3525:
3528:
3531:
3534:
3537:
3540:
3543:
3546:
3549:
3552:
3555:
3558:
3561:
3564:
3567:
3570:
3573:
3576:
3579:
3582:
3585:
3588:
3591:
3594:
3597:
3600:
3603:
3606:
3609:
3612:
3615:
3618:
3621:
3624:
3627:
3630:
3633:
3636:
3639:
3642:
3645:
3648:
3651:
3654:
3657:
3660:
3663:
3666:
3669:
3672:
3675:
3678:
3681:
3684:
3687:
3690:
3693:
3696:
3699:
3702:
3705:
3708:
3711:
3714:
3717:
3720:
3723:
3726:
3729:
3732:
3735:
3738:
3741:
3744:
3747:
3750:
3753:
3756:
3759:
3762:
3765:
3768:
3771:
3774:
3777:
3780:
3783:
3786:
3789:
3792:
3795:
3798:
3801:
3804:
3807:
3810:
3813:
3816:
3819:
3822:
3825:
3828:
3831:
3834:
3837:
3840:
3843:
3846:
3849:
3852:
3855:
3858:
3861:
3864:
3867:
3870:
3873:
3876:
3879:
3882:
3885:
3888:
3891:
3894:
3897:
3900:
3903:
3906:
3909:
3912:
3915:
3918:
3921:
3924:
3927:
3930:
3933:
3936:
3939:
3942:
3945:
3948:
3951:
3954:
3957:
3960:
3963:
3966:
3969:
3972:
3975:
3978:
3981:
3984:
3987:
3990:
3993:
3996:
3999:
4002:
4005:
4008:
4011:
4014:
4017:
4020:
4023:
4026:
4029:
4032:
4035:
4038:
4041:
4044:
4047:
4050:
4053:
4056:
4059:
4062:
4065:
4068:
4071:
4074:
4077:
4080:
4083:
4086:
4089:
4092:
4095:
4098:
4101:
4104:
4107:
4110:
4113:
4116:
4119:
4122:
4125:
4128:
4131:
4134:
4137:
4140:
4143:
4146:
4149:
4152:
4155:
4158:
4161:
4164:
4167:
4170:
4173:
4176:
4179:
4182:
4185:
4188:
4191:
4194:
4197:
4200:
4203:
4206:
4209:
4212:
4215:
4218:
4221:
4224:
4227:
4230:
4233:
4236:
4239:
4242:
4245:
4248:
4251:
4254:
4257:
4260:
4263:
4266:
4269:
4272:
4275:
4278:
4281:
4284:
4287:
4290:
4293:
4296:
4299:
4302:
4305:
4308:
4311:
4314:
4317:
4320:
4323:
4326:
4329:
4332:
4335:
4338:
4341:
4344:
4347:
4350:
4353:
4356:
4359:
4362:
4365:
4368:
4371:
4374:
4377:
4380:
4383:
4386:
4389:
4392:
4395:
4398:
4401:
4404:
4407:
4410:
4413:
4416:
4419:
4422:
4425:
4428:
4431:
4434:
4437:
4440:
4443:
4446:
4449:
4452:
4455:
4458:
4461:
4464:
4467:
4470:
4473:
4476:
4479:
4482:
4485:
4488:
4491:
4494:
4497:
4500:
4503:
4506:
4509:
4512:
4515:
4518:
4521:
4524:
4527:
4530:
4533:
4536:
4539:
4542:
4545:
4548:
4551:
4554:
4557:
4560:
4563:
4566:
4569:
4572:
4575:
4578:
4581:
4584:
4587:
4590:
4593:
4596:
4599:
4602:
4605:
4608:
4611:
4614:
4617:
4620:
4623:
4626:
4629:
4632:
4635:
4638:
4641:
4644:
4647:
4650:
4653:
4656:
4659:
4662:
4665:
4668:
4671:
4674:
4677:
4680:
4683:
4686:
4689:
4692:
4695:
4698:
4701:
4704:
4707:
4710:
4713:
4716:
4719:
4722:
4725:
4728:
4731:
4734:
4737:
4740:
4743:
4746:
4749:
4752:
4755:
4758:
4761:
4764:
4767:
4770:
4773:
4776:
4779:
4782:
4785:
4788:
4791:
4794:
4797:
4800:
4803:
4806:
4809:
4812:
4815:
4818:
4821:
4824:
4827:
4830:
4833:
4836:
4839:
4842:
4845:
4848:
4851:
4854:
4857:
4860:
4863:
4866:
4869:
4872:
4875:
4878:
4881:
4884:
4887:
4890:
4893:
4896:
4899:
4902:
4905:
4908:
4911:
4914:
4917:
4920:
4923:
4926:
4929:
4932:
4935:
4938:
4941:
4944:
4947:
4950:
4953:
4956:
4959:
4962:
4965:
4968:
4971:
4974:
4977:
4980:
4983:
4986:

GENERAL INFORMATION:
 APPLICANT: Cocks, Benjamin G.
 APPLICANT: Susan G. Stuart
 APPLICANT: Jeffrey J. Seilhamer
 TITLE OF INVENTION: COMPOSITION FOR THE DETECTION OF BLOOD CELL EXPRESSION
 NUMBER OF SEQUENCES: 1508
 ADDRESSEE: INCYTE PHARMACEUTICALS, INC.
 STREET: 3174 PORTER DRIVE
 CITY: PALO ALTO
 STATE: CALIFORNIA
 COUNTRY: USA
 ZIP: 94304
 COMPUTER READABLE FORM:
 MEDIUM TYPE: Floppy disk
 COMPUTER: IBM PC compatible
 OPERATING SYSTEM: PC-DOS/MS-DOS
 SOFTWARE: Word Perfect 6.1 for Windows/MS-DOS 6.2
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/09/023,655
 FILING DATE: HEREWITH
 CLASSIFICATION:
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER:
 CLASSIFICATION:
 ATTORNEY/AGENT INFORMATION:
 NAME: Zeller, Karen J.
 REGISTRATION NUMBER: 37,071
 REFERENCE/DOCKET NUMBER: PA-0001 US
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: (650) 855-0555
 TELEFAX: (650) 845-4166
 INFORMATION FOR SEQ ID NO: 20:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 1621 base pairs
 TYPE: nucleic acid
 STRANDEDNESS: single
 TOPOLOGY: linear
 IMMEDIATE SOURCE:
 LIBRARY: HMC1NOT01
 CLONE: 002501
 US-09-023-655-20
 Alignment Scores:
 Pred. No.: 0.415
 Score: 85.00
 Percent Similarity: 40.48%
 Best Local Similarity: 28.57%
 Query Match: 13.80%
 DB: 4
 JS-09-541-462B-2 (1-108) x US-09-023-655-20 (1-1621)
 Length: 1621
 Matches: 24
 Conservative: 10
 Mismatches: 22
 Indels: 4
 Gaps:
 QY 20 LysArgPheGluValLysTrpAsnAlaLeuTrpAlaTrpAspIleMetAsn
 Db 770 CGTAGACTGCTGAGAAATTAATTCATCTCTCT
 QY 38 -----ValValAlaAsnCysAlaIleCysArgAsnHisIleMetAsn
 Db 818 AGCCGCTTACAAGAAATATGATCTATGCAATCTGCATCTGAGTT-----
 QY 53 CystIleGluCysGlnAlaSerAlaThrSerGluGlucySthrValAl
 Db 869 -----ACAACTCGCTCGTATGCTA-----
 QY 73 GlyValCysAsnHisAlaPheHisPheHisCysSerArgTrpLeuLysThr
 Db 890 ---CCGTGTAATCATATTCCATCTGCACTTGCCCTGGAAATGGCTGATCAC
 QY 93 ValCysProIeu 96
 Db 944 AGACCTGCCCTCTG 2242
 QY 95 ValCysProIeu 96
 Db 963 Location US/09023655
 JS 96 ValCysProIeu 96

07:44:24 2004

us-09-541-462b-2.apr14.rni

GTCCAAATG 958

April 14, 2004, 09:05:24
JC

07:44:24 2004

us-09-541-462b-2.apr14.rnpp

```

/cgn2_6_ptodata[1/pubpna/us06_pubcomb.seq:*
/cgn2_6_ptodata[1/pubpna/us06_new_pub.seq:*
/cgn2_6_ptodata[1/pubpna/us06_pubcomb.seq:*
/cgn2_6_ptodata[1/pubpna/us06_new_pub.seq:*
/cgn2_6_ptodata[1/pubpna/pectus_pubcomb.seq:*
/cgn2_6_ptodata[1/pubpna/us08_new_pub.seq:*
/cgn2_6_ptodata[1/pubpna/us08_pubcomb.seq:*
/cgn2_6_ptodata[1/pubpna/us09_pubcomb.seq:*
/cgn2_6_ptodata[1/pubpna/us09_pubcomb.seq:*
/cgn2_6_ptodata[1/pubpna/us09c_pubcomb.seq:*
/cgn2_6_ptodata[1/pubpna/us09c_new_pub.seq:*
/cgn2_6_ptodata[1/pubpna/us10_pubcomb.seq:*
/cgn2_6_ptodata[1/pubpna/us10_pubcomb.seq:*
/cgn2_6_ptodata[1/pubpna/us10c_pubcomb.seq:*
/cgn2_6_ptodata[1/pubpna/us10c_new_pub.seq:*
/cgn2_6_ptodata[1/pubpna/us60_new_pub.seq:*
/cgn2_6_ptodata[1/pubpna/us60_pubcomb.seq:*

```

SUMMARIES

MENTE

RESULT 1
US-10-085-783A-43377
; Sequence 43377, Application US/10085783A
; Publication No. US20040037841A1
; GENERAL INFORMATION:
; APPLICANT: ChondroGen Inc.
; ATTORNEY: Liew, C.C.
; TITLE OF INVENTION: Compositions and Methods Relating to Osteoearth
; FILE REFERENCE: 4231/2002
; CURRENT APPLICATION NUMBER: US/10/085,783A
; CURRENT FILING DATE: 2002-02-28
; PRIORITY NUMBER: US 60/305,340
; PRIORITY FILING DATE: 2001-07-13
; PRIORITY NUMBER: US 60/275,017
; PRIORITY FILING DATE: 2001-03-12
; PRIORITY NUMBER: US 60/271,955
; PRIORITY FILING DATE: 2001-02-28
; NUMBER OF SEQ ID NOS: 58994
; COMMANDER, Datcom, Inc., 2
; CORRESPONDENCE ADDRESS:

	SUMMARIES			Description
	ery	tech	Length	ID

isCysteileSerArgTrpLeuLysThrArgGlnValCysProLeuAspAsnArgGlu 100
 \CTGATCTCTGGCTAAACAGACAGGTGTCCATTGGACACAGAG 323
 lupheGlnLysTrpGlyHis 108
 ATTCCAAAGTATGGCAC 347

25 Application US/10242535A
 ION: droGene Inc.
 w, C.C.
 ION: Compositions and Methods Relating to Osteoarthritis
 4231/2005
 TION NUMBER: US/10/242,535A
 DATE: 2002-09-12
 ON NUMBER: US 10/085,783
 TE: 2002-02-28
 ON NUMBER: US 60/305,340
 TE: 2001-07-13
 ON NUMBER: US 60/275,017
 TE: 2001-03-12
 ON NUMBER: US 60/271,955
 TE: 2001-02-28
 D NOS: 58994
 tin version 3.2

n 25
 2.58E-75 Length: 453
 616.00 Matches: 108
 : Conservativeness: 0
 ity: 100.00% Mismatches: 0
 100.00% Indels: 0
 15 Gaps: 0

1-108) × US-10-242-535A-35025 (1-453)
 laAlaAlaMetAspThrProSerGlyThrAsnSerGlyAlaGlyLysLys 20
 CGCAAGCATGGATGTTGATAACCCCGAGGCCACCAAGGGCGGGAGANG 83
 heGluLysLysLysTrpAsnAlaValAlaLeuTrpAlaTrpAspIleValAsp 40
 TTGAACTGAAAAGTGAAATCGPAGCCCTCTGGCTGGATATTGTGTTGAT 143
 ysAlaIleCysArgAsnHisIleMetAspLeuCysIleGluCysGlnAlaAsnGln 60
 GTGCCATCTGGAAACACATAAACGATCTTGTGATAGATGTCAAGTAACCG 203
 erAlaLysSerGluGlyCysTrpValAlaLysTrpGlyValCysAsnHisAlaPheHis 80
 CGCTACTTCGAAGAGTGTACTGTCATGGGACTGTAAACATGGTTTCAC 263
 isCysteileSerArgTrpLeuLysThrArgGlnValCysProLeuAspAsnArgGlu 100
 ACTGCATCTCTGGCTGCTGCAAGGTGTCCATTGGACAAACAGAGAG 323
 LupheGlnLysTrpGlyHis 108
 ATTCCAAAGTATGGCAC 347

Publication No. US20040037841A1
 GENERAL INFORMATION:
 APPLICANT: ChondroGene Inc.
 TITLE OF INVENTION: Compositions and Methods Relating to Osteoarthri
 FILE REFERENCE: 4231/2002
 CURRENT APPLICATION NUMBER: US/10/085,783A
 CURRENT FILING DATE: 2002-02-28
 PRIOR APPLICATION NUMBER: US 60/305,340
 PRIOR FILING DATE: 2001-07-13
 PRIOR APPLICATION NUMBER: US 60/275,017
 PRIOR FILING DATE: 2001-03-12
 PRIOR APPLICATION NUMBER: US 60/271,955
 PRIOR FILING DATE: 2001-02-28
 NUMBER OF SEQ ID NOs: 5894
 SOFTWARE: PatentIn version 3.2
 SEQ ID NO: 39933
 LENGTH: 467
 TYPE: DNA
 ORGANISM: Human
 US-10-085-783A-39933

Alignment Scores:
 Pred. No.: 2.7E-75 Length: 467
 Score: 616.00 Matches: 108
 Percent Similarity: 100.00% Conservative: 0
 Best Local Similarity: 100.00% Mismatches: 0
 Query Match: 100.00% Indels: 0
 DB: 12 Gaps: 0

US-09-541-462B-2 (1-108) × US-10-085-783A-39933 (1-467)

Qy 1 MetalAlaAlaAlaMetAspValAlaBThrProSerGlyThrAsnSerGlyAlaGlyLys
 Db 20 ATGGCGGAGGGATGGATACTGGATACCCGAGGGCACAACAGGGGGAA

Qy 21 ArgPheGluValLysLysTrpAsnAlaValAlaLeuTrpAlaTrpAspIleVal
 Db 80 CGCTTTGAGTGAAAAGGTGAATGGATAGCCTCTGGGCTGGATATTGTGCT
 Qy 41 AspCysAlaLysCysArgAsnHisIleMetAspIleCysIleGluCysGlnAlaAsp
 Db 140 AACGTGCCCATTCTCGAGACCACATTGGATCTTGGATAGATGTCAAGCTA
 Qy 61 AlaseraAlaLysSerGluGlyCysSerThrValAlaTrpGlyValCysAsnHisIleP
 Db 200 GCGTCCGGCTACTTCAGAAGGTGACTGTGCAAGGGAGTCCTAAACCATGCTT
 Qy 81 PheIleCysIleSerArgTrpLeuLysThrArgGlnValCysProLeuAspAspAla
 Db 260 TTCCACTGATCTCTGGCTCAAACACGAGGCTGTCCATTGGACAAAC
 Qy 101 TrpGluPheGlnLysTrpGlyHis 108
 Db 320 TGGAATCCTAAAGTATGGCAC 343

RESULT 6
 US-10-242-535A-39933
 Sequence 39933, Application US/10242535A
 Publication No. US20040037841A1
 GENERAL INFORMATION:
 APPLICANT: ChondroGene Inc.
 APPLICANT: Liwei, C.C.
 FILE REFERENCE: 4231/2002
 CURRENT APPLICATION NUMBER: US/10/242,535A
 CURRENT FILING DATE: 2002-09-12
 PRIOR APPLICATION NUMBER: US 10/085,783
 PRIOR FILING DATE: 2002-02-28
 PRIOR APPLICATION NUMBER: US 60/305,340
 PRIOR FILING DATE: 2001-07-13
 PRIOR APPLICATION NUMBER: US 60/275,017
 PRIOR FILING DATE: 2001-03-12

33 Application US/10085783A

ITEM NUMBER: US 60/271, 955
DATE: 2001-02-28
ID NOS: 58994
Caption version 3.2

Best Local Similarity:	100.00%	Mismatches:	0
Query Match:	100.00%	Index:	0
DB:	12	Gaps:	0

"TTGAGTGTGAAAGGGAACTGGATGCACTGACCCCTCTGGCTGGATATTGTTGAT 136
 ysAlaIleCysArgAsnHisIleMetAspLeuCysIleGluCysGlnAlaAsnGln 60
 'GTGCCATCTGAGAACACATTATGGATCTTGATAGAATGTAAGCTAACAG 196
 ierAlaItherSerGluGluCysIleThrValAlaIrrGlyAlaCysAsnHisAlaPheHis 80
 'CGGTACTTCAGAAAGTGTACTGTCATGGAGCTGTAAACCAGTCCTCAC 256
 lisCysIleSerArgTrpLeuLysThrArgGlnValCysProLeuAspAsnArgGlu 100
 ACTGCATCTCGCCTGCTCAAAGCAGAAGGGTGTCCCATITGGCACACAGAGG 316
 'IupheGlnIlysTrpGlyHis 108
 :ATTCCAAGATGGCAC 340

RESULT 10
 US-10-242-535A-56068
 ; Sequence 56068 , Application US/10242535A
 ; Publication No. US20040013663A1
 ; GENERAL INFORMATION:
 ; APPLICANT: ChondroGene Inc.
 ; ATTORNEY: Liew, C.C.
 ; TITLE OF INVENTION: Compositions and Methods Relating to Osteoart:
 ; FILE REFERENCE: 56068
 ; CURRENT APPLICATION NUMBER: US/10/242-535A
 ; PRIOR APPLICATION NUMBER: US/10/085,783
 ; PRIOR FILING DATE: 2002-09-12
 ; PRIOR APPLICATION NUMBER: US/10/085,783
 ; PRIOR FILING DATE: 2002-02-08
 ; PRIOR APPLICATION NUMBER: US/60/305,340
 ; PRIOR FILING DATE: 2001-07-13
 ; PRIOR APPLICATION NUMBER: US/60/275,017
 ; PRIOR FILING DATE: 2001-03-12
 ; PRIOR APPLICATION NUMBER: US/60/271,955
 ; PRIOR FILING DATE: 2001-02-28
 ; NUMBER OF SEQ ID NOS: 58994
 ; SOFTWARE: PatentIn version 3.2
 ; SEQ ID NO: 56068
 ; LENGTH: 472
 ; TYPE: DNA
 ; ORGANISM: Human
 ; FEATURE:
 ; NAME/KEY: misc feature
 ; LOCATION: <(437)>..(437)
 ; OTHER INFORMATION: n is a, c, g, or t
 ; FEATURE:
 ; NAME/KEY: misc feature
 ; LOCATION: <(455)>..(455)
 ; OTHER INFORMATION: n is a, c, g, or t
 US-10-242-535A-56068

Alignment Scores:
 Pred. No.: 2.74e-75 Length: 472
 Score: 616.00 Matches: 108
 Percent Similarity: 100.00% Conservative: 0
 Best Local Similarity: 100.00% Mismatches: 0
 Query Match: 100.00% Indels: 0
 DB: 15 Gaps: 0

US-09-541-462B-2 (1-108) x US-10-242-535A-56068 (1-472)

QY 1 MetalAlaAlaMetAspValAspThrProserGlyAsnSerGlyAlaGlyLy
 DB 20 ATGGCCGACGGATGATGGATCCGGATCCGGGACACAGGCCGCGGCCAA
 QY 21 ArgPheGluIlysTrpAsnAlaValAlaLeutrpAlaTrpAspIleValva
 DB 80 CGCTTGAACTGAAAGTGGAAATGCAATGCCCTGGCTGGATATTGTTG
 QY 41 AsnCysAlaIleCysArgAsnHisIleMetAspLeuCysIleGluCysAlaAla
 DB 140 AACCTGGCCATCTGCAAGAACATATTGATAGAATGCTACAAGCTAA
 QY 61 AlaSerAlaItherSerGluCysIleGluCysGlnAlaAsnGln 60
 DB 200 GGCTGGCTATTTCGAAGACTCTGCTGCTGCTGCTGCTGCTGCTGCT
 QY 61 AlaSerAlaItherSerGluCysIleGluCysGlnAlaAsnGln 60
 DB 200 GGCTGGCTATTTCGAAGACTCTGCTGCTGCTGCTGCTGCTGCTGCT

1 APPLICANT: Liew, C. C.
1 ; TITLE OF INVENTION: Compositions and Methods Relating to Osteoar
1 ; FILE REFERENCE: 4331/2005
1 ; CURRENT APPLICATION NUMBER: US/10/2442,535A
1 ; CURRENT FILING DATE: 2002-09-12
1 ; PRIOR APPLICATION NUMBER: US 10/085,783
1 ; PRIOR FILING DATE: 2002-02-28
1 ; PRIOR APPLICATION NUMBER: US 60/305,340
1 ; PRIOR FILING DATE: 2001-07-13
1 ; PRIOR APPLICATION NUMBER: US 60/275,017
1 ; PRIOR FILING DATE: 2001-03-12
1 ; PRIOR APPLICATION NUMBER: US 60/271,955
1 ; PRIOR FILING DATE: 2001-02-28
1 ; NUMBER OF SEQ ID NOS: 58994
1 ; SOFTWARE: PatentIn version 3.2
1 ; SEQ ID NO: 46292
1 ; LENGTH: 523
1 ; TYPE: DNA
1 ; ORGANISM: Human
1 ;
US-10-2442,535A-46292

US-09-541-462B-2 (1-108) x US-10-242-533A-46222 (1-523)

QY	1	MetAlaAlaAlaMetAspValAspThrProSerGlyThrAsnSerGlyAlaGly
Db	19	ATGGGCCAGGATGGATGGATGGATGGATACCCGACGGCACCAACAGGGCGGGC
QY	21	ArgPheGluValLysIystTrpAsnAlaValAlaLeuTrpAlaTrpAspIleVal
Db	79	CGCTTGAAGTAAAGTGGAAATGGAGTAGCCCTGGGCTGGGATATTGTGCK
QY	41	AsnCysAlaIleCysArgGashisIleMetAspLeuCysIleGluCysGlnAlaI
Db	139	AACITGCCATCTGAGGACCAATATGGATCTTGATAGAATGTCAGCTAACATGCT
QY	61	AlaSerAlaIthrSerGluCysThrValAlaTrpGlyValCysAsnHisAlaI
Db	199	GCGTCGCTACTCTAGAAGGTGACTGTGTCATGGGAGTCGTGAAACATGCT
QY	81	PheHisCysIleSerArgTrpLeuIystThrArgGlnValCysProlLeuAspAsnF
Db	259	TTCCCACTGCATCTCNGCTGGCTCAAACAGACAACTGTGTCATGGACAAC
QY	101	TrpGluPhnGlnIystTrpGlyHis 1 08
Db	319	TGGGAATTCCAAAGTAGTGGCAC 3 42

RESULT 13

US-09-918-995-17191
 Sequence 17191, Application US/09918995
 Publication No. US20030073623A1

GENERAL INFORMATION:

APPLICANT: Hyseq, Inc.
 TITLE OF INVENTION: NOVEL NUCLEIC ACID SEQUENCES OBTAINED FROM VARIOUS cDNA LIBRARIES
 FILE REFERENCE: 20111-756
 CURRENT APPLICATION NUMBER: US/09/918,995
 CURRENT FILING DATE: 2001-07-30
 PRIOR APPLICATION NUMBER: US/09/235,076
 PRIOR FILING DATE: 1999-01-20
 NUMBER OF SEQ ID NOS: 38054
 SOFTWARE: FastSEQ for Windows Version 3.0
 SEQ ID NO: 17191
 LENGTH: 476

sapiens
feature
..(476)
'ION: n = A, T, C or G

US-09-541-462B-2 (1-108) x US-10-198-846-11311 (1-4543)
 Qy 3 AlaAlaMetAspValAspThrProSerGlyThrAsnSerGlyAlaGlyLysLysA.
 Db 1085 GCAGCCATGGATGTGATACCCGAGGACCAAAGCGGCCAGCAAGAAAGC.
 Qy 23 GluValLysLysTrpAsnAlaValAlaLeuTrpAlaTrpAspIleValAlaAspA.
 Db 1025 GAATGAAAGTGGAAATGAGTAGCTCCCTGGCTGGATATGGGTGATA.
 Qy 43 AlaIleCysArgAsnHistMetAspLeuCysIleGlucysGlnAlaAsnGlnA.
 Db 965 GCCATCTGCAGAACACATTGATGATAAGTAATGTCAGCTAACAGG.
 Qy 63 AlanThrSerGluGluCysthrValAlaTrpGlyValCysAsnHisAlaPheHisP.
 Db 905 GCTACTTCAGAAGACTGTACTGTGCATGGGACTCTGAACCATTGCTTCACM.
 Qy 83 CysIleSerArgTrpLeuIysIstArgGlnValCysProLeuAspAsnArgGluT.
 Db 845 TGCATCTCTGCTGGCTAAACAGCAAGGGTGTCTCATGGACATAGAGATC.
 Qy 103 PheGlnLysTrpGlyHis 108
 Db 785 TTCCAAAAGTATGGCAC 768
 RESULT 15
 US-10-085-783A-54751
 i Sequence 54751, Application US/10085783A
 i Publication No. US20040037841A1
 i GENERAL INFORMATION:
 i APPLICANT: ChondroGene Inc.
 i TITLE OF INVENTION: Compositions and Methods Relating to Osteoarth.
 i FILE REFERENCE: 4231/2002
 i CURRENT APPLICATION NUMBER: US/10/085,783A
 i PRIOR APPLICATION NUMBER: 2002-02-28
 i PRIOR FILING DATE: 2002-02-28
 i SEQ ID NO: 54751
 i PRED. NO.: 1.49e-73 Length: 430
 i SCORE: 603.00 Matches: 108
 i PERCENT SIMILARITY: 99.08% Mismatches: 0
 i BEST LOCAL SIMILARITY: 99.08% Indels: 1
 i QUERY MATCH: 97.89% DB: 12
 i SOFTWARE: PatentIn version 3.2 Gaps: 0
 US-09-541-462B-2 (1-108) x US-10-085-783A-54751 (1-430)
 Qy 1 MetAlaAlaAlaMetAspValAspThrProSerGlyThrAsnSerGlyAlaGlyLys.
 Db 21 ATGGCGCAGGATGGATACCCGGGGACACAGCGGCCGGAA.
 Qy 21 ArgPheGluValLysTrpAsnAlaValAlaLeuTrpAlaTrpAspIleValVa.
 Db 81 CGCTTCAGTCAAATGGAATGGATGCTGCTGGATATGGGT.
 Qy 41 AsnCysAlaIleCysArgAsnHisIleMetAspLeuCysIleGlucysGlnAlaAs.
 Db 141 AACGTGCCATCTGCAGAACACATTGATCTTGATAGAATGTCAGCTAAC.

Qy 1 CysIleSerArgTrpLeuIysIstArgGlnValCysProLeuAspAsnArgGluT.
 Db 1025 GAATGAAAGTGGAAATGAGTAGCTCCCTGGCTGGATATGGGTGATA.
 Qy 324 1.15e-72 Length: 4543
 Db 607.00 Matches: 106
 Qy 325 Conservative: 0
 Db 100.00% Mismatches: 0
 Qy 326 .ty: 100.00% Indels: 0
 Db 98.54% Gaps: 0
 Qy 327 14 0

07:44:24 2004

us-09-541-462b-2.apr14.rnpb

aSerAlaThrSerGluGluCysThrValAlaTrpGlyvalCysAsnHisAlaPheHis 80
|:GTCGGTACTCTAGAAAGTGTAACGTTGACTGTGCATGGGGTGTGTAACCATGCTTICA 260
|:HisCysIleSerArgGlyLeuLysThrArgGlnValCysProLeuAspAsnArgC 100
||:CAACTGATCTCTCGCTGGCTAAACACGACAGGTGTCCATTGGACACAGAGA 320
|:PheGluPheGlnIleIleGlyHis 108
||:GGAAATTCRAAAGTATGGCAC 345

April 14, 2004, 09:55:56
cs